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TEST & MEASUREMENT SELECTION GUIDE



HANDHELD



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HANDHELD DIGITAL MULTIMETERS

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RS-608 DIGITAL METERSCOPE



RS-608 DIGITAL METERSCOPE 144-5337

High performance Digital MeterScope with double molded housing and IP67 functions. Bluetooth PC interface for easy data transfer and accuracy calibration.

Professional True RMS industrial digital MeterScope with oscilloscope functions and TFT colour LCD display.

MULTIMETER SECTION

- 100kHz bandwidth (voltage/current)
- AC, AC+DC true-RMS measurements
- IP Rating 67 & CATIII 1000V/CATIV 600V

OSCILLOSCOPE SECTION

- Waveform display / record
- Auto search
- Real-time sample rate 500 Sps – 50 Msa/s
- Trigger function
- 10 set waveform storage/output

RS-989 DIGITAL MULTIMETER WITH BLUETOOTH



RS-989 DIGITAL MULTIMETER WITH BLUETOOTH 161-1624

RS PRO heavy-duty True RMS Industrial Digital Multimeter with Bluetooth.

Comes with TFT colour LCD display, fast A/D converting sampling time, high accuracy, built-in data logging and Trend Capture features making this instrument versatile and reliable. The IP-67 makes this multimeter dust and waterproof ideal for all kinds of working environments and suitable for industrial troubleshooting and maintenance work.

Can be connected to software on smartphones. Cloud service can be used to keep all the data safe for future reference. It has a waterproof double molded plastic housing design ideal for heavy-duty usage.

RS-9889 THERMAL IMAGING DIGITAL MULTIMETER



RS-9889 THERMAL IMAGING DIGITAL MULTIMETER 179-9512

This versatile thermal imaging multimeter is a great all round choice as it is durable, handheld and can be used for measurement of various circuit parameters such as voltages, currents or resistances. It also features a 2.8" TFT LCD colour display screen, allowing accurate results to be viewed without risk of incorrect readings due to faulty moving parts, as commonly found with an analogue multimeter.

Its built-in thermal imager has max, min and centre crosshair targeting, allowing the user to easily identify and measure the required temperature ranges. The RS-9889 also gives you the benefit of a Bluetooth BLE instant share function with thermal images transmitted via the Thermview+ app.

RS-96XX HEAVY DUTY TRUE RMS DIGITAL MULTIMETER



RS-9663 HEAVY DUTY TRUE RMS 161-1626
RS-9660B HEAVY DUTY TRUE RMS 161-1629

RS PRO Digital Multimeter, Category IV rating ensure the highest level of protection against sudden transient over voltage and arcing flash-over with advanced DMM features and True RMS accuracy.

This rugged, waterproof and drop-proof multimeter will take whatever rough handling you dish out. Compact meters with double molded plastic housing and over sized high contrast 4000/6000 counts LCD display.

They are all CAT IV rated for 600V/CATIII 1000V.

HANDHELD DIGITAL MULTIMETERS

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RS PRO S3 SOLAR PV MULTIMETER

Introducing the RS PRO S3 digital multimeter, a compact and robust handheld digital multimeter ideal for measuring a wide range of electrical parameters such as Voltage, Current and Resistance.

With the addition of capacitance measurements, selectable frequency measurements and PV measurement, this digital multimeter (DMM) is ideal for Photovoltaic applications, offering exceptional value with high quality and reliable results.

Bluetooth connectivity.



| MODEL | 199-3848 |
|------------------------------|----------|
| Absolute Maximum DC Current | 10A DC |
| Absolute Maximum AC Current | 10A AC |
| Absolute Maximum DC Voltage | 1000V DC |
| Absolute Maximum AC Voltage | 1000V AC |
| Absolute Maximum Resistance | 40MΩ |
| Absolute Maximum Capacitance | 10mF |
| Absolute Maximum Temperature | +400°C |

| MODEL | 199-3848 |
|-----------------------|-----------------|
| True RMS | Yes |
| Maximum Frequency | 100kHz |
| Battery Type | AA |
| Dimensions | 82 × 46 × 165mm |
| Safety Category Level | CAT III, CAT IV |

S3 SOLAR PV MULTIMETER

199-3848

RS PRO S2 HVAC MULTIMETER



The RS PRO S2 digital multimeter is a compact and robust handheld digital multimeter ideal for HVAC applications, offering exceptional value with high quality and reliable results.

It measures a wide range of electrical parameters such as Voltage, Current and Resistance and with the addition of capacitance measurements, selectable frequency measurements and temperature measurement.

Bluetooth connectivity.

| MODEL | 199-3847 |
|------------------------------|----------|
| Absolute Maximum DC Current | 400mA DC |
| Absolute Maximum AC Current | 400mA AC |
| Absolute Maximum DC Voltage | 1000V DC |
| Absolute Maximum AC Voltage | 1000V AC |
| Absolute Maximum Resistance | 40MΩ |
| Absolute Maximum Capacitance | 10mF |
| Absolute Maximum Temperature | +400°C |

| MODEL | 199-3847 |
|-----------------------|-----------------|
| True RMS | Yes |
| Maximum Frequency | 100kHz |
| Battery Type | AA |
| Dimensions | 82 × 46 × 165mm |
| Safety Category Level | CAT III, CAT IV |

S2 HVAC MULTIMETER

199-3847

RS PRO S1 INDUSTRIAL MULTIMETER

The RS PRO S1 digital multimeter is compact, robust and ideal for measuring a wide range of electrical parameters.

The device features a clean and user friendly interface with a large white LED backlit display, allowing you to easily display measurements in a wide range of environments. With Bluetooth connectivity, you can also save and share data quickly and efficiently to your smart device.



| MODEL | 199-3846 |
|------------------------------|-----------|
| Absolute Maximum DC Current | 10A DC |
| Absolute Maximum AC Current | 10A AC |
| Absolute Maximum DC Voltage | 1000V DC |
| Absolute Maximum AC Voltage | 1000V AC |
| Absolute Maximum Resistance | 40MΩ |
| Absolute Maximum Capacitance | 10mF |
| Connectivity | Bluetooth |

| MODEL | 199-3846 |
|-----------------------|-----------------|
| True RMS | Yes |
| Maximum Frequency | 100kHz |
| Battery Type | AA |
| Dimensions | 82 × 46 × 165mm |
| Safety Category Level | CAT III, CAT IV |

S1 INDUSTRIAL MULTIMETER

199-3846

HANDHELD DIGITAL MULTIMETERS

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RS12 / RS14 MULTIMETERS

The RS12 digital multimeter (DMM) is a handheld tool which is essential for testing voltage, current and resistance. It comes with manual ranging so you can select the range you desire via the dial on the front of the device. There is also a "hold" function available.

The RS14 digital multimeter (DMM) is handheld tool which is essential for testing voltage, current, resistance and temperature. It is "auto-ranging" which means you don't have to figure out the range values, it will do all the hard work for you.



| MODEL | 123-1939 | 123-1938 | MODEL | 123-1939 | 123-1938 |
|--|--------------|--------------|--------------------------------|-----------------|-----------------|
| Absolute Maximum DC Current Measurement | 10A | 10A | Dimensions | 70 x 48 x 150mm | 67 x 46 x 120mm |
| Absolute Maximum DC Voltage Measurement | 600V | 600V | Weight | 255g | 200g |
| Absolute Maximum AC Voltage Measurement | 600V | 600V | Safety Category Level | CAT III | CAT III |
| Absolute Maximum Resistance Measurement | 2MΩ | 2MΩ | Safety Category Voltage | 600V | 600V |
| AC Voltage Bandwidth | 45Hz - 450Hz | 45Hz - 450Hz | Operating Temperature | 0°C - +50°C | 0°C - +50°C |
| | | | Battery Type | 9V | 9V |
| RS12 | | | | 123-1939 | |
| RS14 | | | | 123-1938 | |

RS-660 HANDHELD MULTIMETER



The RS-660 digital multimeter (DMM) is a handheld tool which is essential for testing voltage, current and resistance. It comes with manual ranging so you can select the range you desire via the dial on the front of the device. There is also a "hold" function available.

| MODEL | 161-1625 | MODEL | 161-1625 |
|--|----------|--------------------------------|-----------------|
| Absolute Maximum DC Current Measurement | 10A | Dimensions | 67 x 46 x 120mm |
| Absolute Maximum DC Voltage Measurement | 600V | Weight | 200g |
| Absolute Maximum AC Voltage Measurement | 600V | Safety Category Level | CAT II |
| Absolute Maximum Resistance Measurement | 2MΩ | Safety Category Voltage | 600V |
| | | Operating Temperature | 0°C - +50°C |
| | | Battery Type | 9V |
| RS-660 HANDHELD MULTIMETER | | | 161-1625 |

IDM20 POCKET MULTIMETER

The IDM20 is a great value pocket digital multimeter with double-moulded plastic housing and a large, high contrast 4000 Counts LCD display. Features include non-contact detection and flashlight.

- Pocket size digital multimeter
- 3 3/4 Digit, 4000 Count LCD display
- Data Hold
- Resistance & capacitance measurement
- Frequency, duty cycle measurement



| MODEL | 123-1930 | MODEL | 123-1930 |
|--|----------|--------------------------------|----------------------------|
| Absolute Maximum DC Current Measurement | 200mA | Dimensions | 120 x 55 x 40mm |
| Absolute Maximum DC Voltage Measurement | 600V | Weight | 145g |
| Absolute Maximum AC Voltage Measurement | 600V | Safety Category Level | CAT III 1000V, CAT IV 600V |
| Absolute Maximum Resistance Measurement | 40MΩ | Safety Category Voltage | 1000V |
| Maximum Frequency | 9.999Khz | Multimeter Type | Handheld |
| | | Battery Type | AAA |
| IDM20 POCKET MULTIMETER | | | 123-1930 |

HANDHELD DIGITAL MULTIMETERS

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IDM70 SERIES DIGITAL MULTIMETERS



Compact and rugged high performing digital multimeters with optical interface for transmitting measuring results to PCs. Ideal for single-handed use.

COMMON INFORMATION

- Handy and compact housing
- Large-scale display
- 6000 display count
- DCA μ A
- Data Hold
- Min / Max function
- Frequency counter
- Capacitance measurement
- Auto power off
- Shock resistant (1 m drop)
- Protective holster with tilt stand and lead storage

Supplied with:

Test leads, protective holster, 2 x 1.5V Alkaline type AAA batteries (installed).



| SPECIFICATIONS / RANGES / MODEL | | IDM71 | 123-3239 | IDM72 | 123-3242 | IDM73 | 123-3243 |
|---------------------------------|----------------------------|--|----------|--|----------|--|----------|
| Multimeter Type | | Handheld | | Handheld | | Handheld | |
| Current DC | Absolute Maximum | 6mA DC | | 10A DC | | 10A DC | |
| | Resolution Accuracy | - $\pm 1\% + 2$ digits | | 0.1 μ A DC $\pm 1\% + 2$ digits | | 0.1 μ A DC $\pm 1\% + 2$ digits | |
| Current AC | Absolute Maximum | 6mA AC | | 10A AC | | 10A AC | |
| | Resolution Accuracy | - $\pm 1.5\% + 5$ digits | | 0.1 μ A AC $\pm 1.5\% + 5$ digits | | 0.1 μ A AC $\pm 1.5\% + 5$ digits | |
| Voltage DC | Absolute Maximum | 1000V DC | | 1000V DC | | 1000V DC | |
| | Resolution Accuracy | - $\pm 0.5\% + 2$ digits | | 0.1mV DC $\pm 0.5\% + 2$ digits | | 0.1mV DC $\pm 0.5\% + 2$ digits | |
| Voltage AC | Absolute Maximum | 750V AC | | 750V AC | | 750V AC | |
| | Resolution Accuracy | - $\pm 0.9\% + 5$ digits | | 0.1mV AC $\pm 0.9\% + 5$ digits | | 0.1mV AC $\pm 0.9\% + 5$ digits | |
| True RMS | | Yes | | Yes | | Yes | |
| Maximum Frequency | | 60MHz | | 60MHz | | 60MHz | |
| Display Type | | LCD | | LCD | | LCD | |
| Dimensions | | 76 x 38 x 158mm (without holster), 82 x 44 x 164mm (with holster) | | 76 x 38 x 158mm (without holster), 82 x 44 x 164mm (with holster) | | 76 x 38 x 158mm (without holster), 82 x 44 x 164mm (with holster) | |
| Weight | | 400g | | 400g | | 400g | |
| Safety Category | | CAT III 1000V, CAT IV 600V | | CAT III 1000 V, CAT IV 600 V | | CAT III 1000V, CAT IV 600V | |
| Safety Category Level | | CAT III, CAT IV | | CAT III, CAT IV | | CAT III, CAT IV | |
| Safety Category Voltage | | 600V, 1000V | | 600 V, 1000 V | | 600V, 1000V | |
| Resistance | Absolute Maximum | 60M Ω | | 60M Ω | | 60M Ω | |
| | Resolution Accuracy | - $\pm 0.7\% + 2$ digits | | 100m Ω $\pm 0.7\% + 2$ digits | | 100m Ω $\pm 0.7\% + 2$ digits | |
| Capacitance | Absolute Maximum | 6mF | | 6mF | | 6mF | |
| | Resolution Accuracy | - $\pm 1.9\% + 8$ digits | | 1pF $\pm 1.9\% + 8$ digits | | 1pF $\pm 1.9\% + 8$ digits | |
| Operating Temperature | | $+11^{\circ}\text{C} - +50^{\circ}\text{C}$ | | $0^{\circ}\text{C} - +50^{\circ}\text{C}$ | | $0^{\circ}\text{C} - +50^{\circ}\text{C}$ | |
| Battery Life / Type | | 300h / AAA 1.5V, AM4, IEC LR03 | | 300h / IEC 6F22, NEDA 1604, 9V | | 300h / IEC 6F22, NEDA 1604, 9V | |

HANDHELD DIGITAL MULTIMETERS

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IDM90 SERIES DIGITAL MULTIMETERS



A superb range of rugged, easy to use industrial multimeters.

Our IDM90 series offers features to suit most electrical and electronic applications.

| SPECIFICATIONS / RANGES / MODEL | |  IDM91E 123-3244 |  IDM93M 123-3245 |  IDM98IV 873-2360 |  IDM99IV 873-2367 |
|---------------------------------|---|--|--|---|---|
| Multimeter Type | | Handheld 2000 count | Handheld 2000 count | Handheld 6000 count | Handheld 6000 count |
| Supplied with | | Test lead set, fitted alkaline battery, protective holster and instruction manual | Test Lead set, fitted alkaline battery, protective holster and instruction manual | Battery installed, test lead set, user manual and protective holster | Battery installed, test lead set, user manual and protective holster |
| Current DC | Absolute Maximum Resolution Accuracy | 10A DC 0.1µA DC ±1% + 1 digits | 10A DC 0.1µA DC ±1% + 1 digits | 10A DC 0.01A DC ±1 % | 10A DC 0.01A DC ±0.8 % |
| Current AC | Absolute Maximum Resolution Accuracy | 10A AC 0.1µA AC ±2.5% + 3 digits | 10A AC 0.1µA AC ±2.5% + 3 digits | 10A AC 0.01A AC ±1.5 % | 10A AC 0.01A AC ±1.2 % |
| Voltage DC | Absolute Maximum Resolution Accuracy | 600V DC 0.1mV DC ±0.5% + 1 digits | 600V DC 0.1mV DC ±0.5% + 1 digits | 1000V DC 1V DC ±0.09 % | 1000V DC 1V DC ±0.08 % |
| Voltage AC | Absolute Maximum Resolution Accuracy | 600V AC 0.1mV AC ±1.25% + 4 digits | 600V AC 0.1mV AC ±1.3% + 4 digits | 1000V AC 1V AC ±1 % | 1000V AC 1V AC ±0.8 % |
| Temperature | Absolute Maximum Resolution Accuracy | - | - | - | +400°C 0.1°C ±1 % |
| Functions Measured | | AC current, AC Voltage, Continuity, DC current, DC Voltage, Diode test, Resistance | AC current, AC Voltage, Continuity, DC current, DC Voltage, Diode test, Resistance | AC current, AC Voltage, Capacitance, DC current, DC Voltage, Resistance | AC current, AC Voltage, Capacitance, DC current, DC Voltage, Resistance, Temperature |
| True RMS | | - | - | - | Yes |
| Maximum Frequency | | - | 200kHz | 100kHz | 100kHz |
| Display Type | | LCD | LCD | LCD | LCD |
| Dimensions | | 84 × 31 × 175mm 95 × 50 × 192mm (with holster) | 84 × 31 × 175mm 95 × 50 × 192mm (with holster) | 190 × 94 × 48mm | 190 × 94 × 48mm |
| Weight | | - | 550g (with Holster) | 460g | 460g |
| Safety Category | | CAT III 600 V | CAT II 600 V | CAT III 1000 V, CAT IV 600 V | CAT III 1000 V, CAT IV 600 V |
| Safety Category Level | | CAT III | CAT II | CAT III, CAT IV | CAT III, CAT IV |
| Safety Category Voltage | | 600V | 600V | 600 V, 1000 V | 600 V, 1000 V |
| Resistance | Absolute Maximum Resolution Accuracy | 20MΩ 100mΩ ±0.75% + 1 digits | 20MΩ 100mΩ ±0.8% + 1 digits | 40MΩ 0.1Ω ±0.8 % | 40MΩ 0.1Ω ±0.8 % |
| Capacitance | Absolute Maximum Resolution Accuracy | - | 200µF 1pF ±2% + 4 digits | 10mF 0.01mF ±1.2 % | 10mF 0.01mF ±1.2 % |
| Operating Temperature | | 0°C - +50°C | 0°C - +50°C | -10°C - +50°C | -10°C - +50°C |
| Battery Life / Type | | 300h / IEC 6F22, NEDA 1604, 9V | 150h / AAA 1.5V x 2, AM4, IEC LR03, IEC6F22, NEDA 1604, 9V | 9V Battery | 9V Battery |

HANDHELD MULTIMETER ACCESSORIES





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CURRENT CLAMP ADAPTORS

The RS PRO range of current clamp adapters is designed for use with digital multimeters.



| SPECIFICATIONS / RANGES / MODEL | ICA31  | 123-3223  | ICA39T  | 123-3224 | 3000A  | 161-1631 |
|---------------------------------|---|---|--|-------------------------------|--|----------------------------|
| Feature and Benefits | <ul style="list-style-type: none"> AC 400A capability 1.9% basic D CA / A CA accuracy Non-intrusive transducing Up to 29mm diameter conductor Shock Proof: 5ft drop Coiled cable output plugs Ergonomically designed jaw and trigger AC-DC 1000A capability Auto-zero key for DCA Red LED - low battery indication Green LED - power on indication Insulated input jacks Standard 9V battery Safety Standard: CAT IV 600V / CAT III 1000V Type of sensing: Hall effect | <ul style="list-style-type: none"> AC 400A capability 1.9% basic DCA/ACA accuracy Non-intrusive transducing Up to 29mm diameter conductor Shock proof: 4ft drop Coiled cable output plugs Ergonomically designed jaw and trigger Type of sensing: Current transformer sensing Designed to meet IEC 61010-1, CAT II 600V / CAT III 300V | <ul style="list-style-type: none"> Ergonomically designed Head cable length 457mm 3000A AC current measurement Auto ranging 3000 count large scal LCD with backlight 7.5mm coil diameter for tight spaces CAT IV 600V/CAT III 1000V safety standard | | | |
| Adapter Type | AC | AC | AC/DC | AC/DC | AC | AC |
| Maximum AC Current | 400A | 400A | 1000A | 1000A | 3kA | 3kA |
| Maximum DC Current | - | - | 1000A | 1000A | - | - |
| Best Accuracy | ±1.9% + 0.5A | ±1.9% + 0.5A | ±1.9% + 7A | ±1.9% + 7A | ±3 % | ±3 % |
| Resolution | 1 mV/A | 1 mV/A | 1 mV/A | 1 mV/A | - | - |
| Maximum Conductor Size | 29mm | 29mm | 51mm | 51mm | - | - |
| Safety Category | Current, Voltage | Current, Voltage | CAT III 1000V | CAT III 1000V | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V |
| Connector Type | Test Lead | Test Lead | Test Lead | Test Lead | - | - |
| Battery Type | 9V Alkaline | 9V Alkaline | 9V Alkaline | 9V Alkaline | AAA x2 | AAA x2 |
| Battery Life | - | - | 66h | 66h | - | - |
| Operating Temperature | 0°C - 50°C | 0°C - 50°C | 0°C - 50°C | 0°C - 50°C | 5°C to 40°C | 5°C to 40°C |
| Safety Category Voltage | 600V | 600V | 1000V | 1000V | 1000V | 1000V |
| Safety Category Level | CAT II | CAT II | CAT III | CAT III | CAT III, CAT IV | CAT III, CAT IV |
| Supplied with | Battery (installed), coiled cable output plugs, carrying case and user manual | Battery (installed), coiled cable output plugs, carrying case and user manual | Carrying case and user manual | Carrying case and user manual | - | - |

HANDHELD MULTIMETER ACCESSORIES

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MULTIMETER TEST LEADS



| | |
|-------------------------------|----------|
| PAIR OEM LANTERN FRONT PROBES | 199-9855 |
| PAIR OEM SPIKE FRONT PROBES | 199-9854 |
| PAIR THIN SPIKE PROBES | 199-9853 |
| PAIR LONG REACH PRODS | 199-9852 |

FUSED TEST PROBE KIT 1000V CAT III

This high quality fused test kit contains leads and probes making an essential component to any electrician or engineers toolbox, allowing them to test voltage and energy circuits safely and effectively as well as the ability to use alongside digital multimeter.



Contents

- Red & black double insulated silicone test lead, with terminating ends including a straight 4mm and angled 4mm
- Red & black probe each fitted with a 1000V/500mA/50kA ceramic fuse and 4mm socket to the rear

| | |
|---------------------------------------|----------|
| MODULAR FUSED PROBE KIT 1000V CAT III | 199-9851 |
|---------------------------------------|----------|

CROCODILE CLIPS

- For use with fused test leads and probes
- Measurement category: 1000V CAT III / 600V CAT IV.
- Rating: EN61010



| | |
|------------------------|----------|
| CROCODILE CLIPS | 125-3740 |
| CROCODILE CLIPS (LONG) | 125-3738 |

TEST LEAD ACCESSORIES

A range of accessories with 4mm shrouded socket connections intended for use with the multimeter test lead set.

All accessories meet the requirements of EN61010 to their rated voltage.



| | |
|---|----------|
| EASY ACCESS BACK PROBE SET OF 4 | 124-7401 |
| EASY ACCESS BACK PROBE SET, BLACK & RED | 124-7402 |
| EXTENDED BACK PROBE SET, BLACK & RED | 124-7403 |
| RIGHT ANGLED BACK PROBE LEAD SET | 124-7404 |
| BACK PROBE WITH CABLE PIERCER ADAPTER | 124-7405 |
| EXTRA SHARP LONG REACH PROD SET | 124-7406 |
| FUSED TEST PRODS | 125-3737 |
| SPRUNG HOOK GRABBERS | 125-3739 |

AUTOMOTIVE TEST LEAD KIT

High-quality test lead kit designed for auto engineers.

Contents

- Red & black double insulated silicone test leads
- Red & black long reach probes
- Red & black fully insulated crocodile clip
- Red & black ultra thin back probes incorporating a cable piercing adapter
- Red & black extended back probes
- Red & black heavy-duty back probes

Specification

- Operating Temperature: -20°C - 70°C
- Current rating 10A

Note: Where applicable the kit component is marked with their relevant IEC 1010 (BS EN61010) ratings

| | |
|---------------------|----------|
| AUTOMOTIVE TEST KIT | 124-7400 |
|---------------------|----------|



HANDHELD ELECTRICAL TEST EQUIPMENT

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MINI AC/DC CLAMP METER

Designed to verify the presence of load current, voltage and resistance, etc.

The small bodies and jaws fit perfectly in your hand and a large backlit display is easy to read.

Test lead mA range with high 1 mA resolution for HVAC and process control applications Data

Digital clamp tester for AC/DC current measurement

Providing wide measuring range from very small to large current

AUTO power off & data hold function



| MODEL | 146-9096 |
|--|---------------|
| Jaw Capacity Busbars | 20mm |
| Clamp Size | 19mm (Approx) |
| Absolute Maximum AC Current Measurement (A AC) | 80A |
| Best AC Current Accuracy | ±2.5% |
| Best Temperature Measurement Accuracy | ±2°C |

| MODEL | 146-9096 |
|-----------------------|-----------------|
| Battery Type | 9V |
| Operating Temperature | 5°C - +40°C |
| Safety Category | CAT III 600V |
| Dimensions | 70 x 37 x 210mm |
| Weight | 200g |

MINI AC/DC CLAMP METER

146-9096

TRUE RMS FLEXIBLE CLAMP METER



The RS PRO Flexible Clamp Meter is a versatile tool that can be used across a range of applications and environments and is ideal for applications that require AC Current measurement.

The device has a built in datalogger that can measure current between 0.5A AC and 3000A AC. Measurements are easy to read thanks to the large backlit LCD screen, making the clamp meter ideal for use even in environments with little light or poor visibility.

| MODEL | DT-388 |
|---|----------------|
| Absolute Maximum AC Current Measurement | 3kA AC |
| Connectivity | Bluetooth |
| Clamp Meter Type | AC Clamp Meter |
| True RMS | Yes |
| Functions Measured | AC Current |

| MODEL | DT-388 |
|-------------------------------|----------------------------|
| Display Type | LCD - Backlit |
| Safety Category | CAT III 1000V, CAT IV 600V |
| Safety Category Level | CAT III, CAT IV |
| Minimum Operating Temperature | -20°C |
| Power Source | Battery |

RS-660 HANDHELD MULTIMETER

201-0209

HANDHELD ELECTRICAL TEST EQUIPMENT

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BLUETOOTH CLAMP METER SERIES

This RS PRO clamp meter provides advanced power features, phase rotation, total harmonics distortion, which enables fully professional power measurement application with excellent performance.

Also has Bluetooth feature for streaming data on any mobile devices to provide easy data acquisition and analysis.

This RS PRO clamp meter provides advanced power features, phase rotation, total harmonics distortion, which enables fully professional power measurement application with excellent performance.

Also has Bluetooth feature for streaming data on any mobile devices to provide easy data acquisition and analysis.



155B



162-4455



157B



158B

162-4458

| SPECIFICATIONS / RANGES / MODEL | 155B | 162-4455 | 157B | 162-4457 | 158B | 162-4458 |
|--|---|---|---|---|--|--|
| Absolute Maximum AC Voltage Measurement | 1000V AC | 1000V AC | 1000V AC | 1000V AC | 1000V AC | 1000V AC |
| Absolute Maximum AC Current Measurement | 600A AC | 600A AC | 100A AC | 100A AC | 1kA AC | 1kA AC |
| Absolute Maximum DC Voltage Measurement | 1000V DC | 1000V DC | 1000V DC | 1000V DC | 1000V DC | 1000V DC |
| Absolute Maximum DC Current Measurement | - | 600A DC | - | - | 100A DC | 100A DC |
| Absolute Maximum Resistance Measurement | 100kΩ | 100kΩ | 100kΩ | 100kΩ | 100kΩ | 100kΩ |
| Best Resistance Measurement Accuracy | ±1 + 5 Digits % | ±1 + 5 Digits % | ±1 + 5 Digits % | ±1 + 5 Digits % | ±1 + 5 Digit % | ±1 + 5 Digit % |
| Best DC Voltage Accuracy | ±0.7 + 2 Digit % | ±0.7 + 2 Digit % | ±0.7 + 2 Digit % | ±0.7 + 2 Digit % | ±0.7 + 2 Digit % | ±0.7 + 2 Digit % |
| Best AC Voltage Accuracy | ±1 + 5 Digit % | ±1 + 5 Digit % | ±1 + 5 Digit % | ±1 + 5 Digit % | ±1 + 5 Digit % | ±1 + 5 Digit % |
| Best AC Current Accuracy | ±1.5 + 5 Digit % | ±1.5 + 5 Digit % | ±1.5 + 5 Digit % | ±1.5 + 5 Digit % | ±1.5 + 5 Digit % | ±1.5 + 5 Digit % |
| Clamp Meter Type | AC/DC Clamp Meter | AC/DC Clamp Meter | AC/DC Clamp Meter | AC/DC Clamp Meter | AC/DC Clamp Meter | AC/DC Clamp Meter |
| Jaw Capacity Busbars | 45 × 10mm | 45 × 10mm | 62 × 12mm | 62 × 12mm | 62 × 12mm | 62 × 12mm |
| Battery Life | 50h | 50h | 50h | 50h | 50h | 50h |
| Battery Type | Alkaline, 1.5V AAA | Alkaline, 1.5V AAA | Alkaline, 1.5V AAA | Alkaline, 1.5V AAA | Alkaline, 1.5V AAA | Alkaline, 1.5V AAA |
| Operating Temperature | 0°C - 50+°C | 0°C - 50+°C | 0°C - 50°C | 0°C - 50°C | 0°C - 50+°C | 0°C - 50+°C |
| Safety Category Voltage | 600V, 1000V | 600V, 1000V | 600V, 1000V | 600V, 1000V | 600V, 1000V | 600V, 1000V |
| Safety Category | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V | CAT III 1000V, CAT IV 600V |
| Safety Category Level | CAT III, CAT IV | CAT III, CAT IV | CAT III, CAT IV | CAT III, CAT IV | CAT III, CAT IV | CAT III, CAT IV |
| Dimensions | 243 × 103 × 55mm | 243 × 103 × 55mm | 258 × 103 × 55mm | 258 × 103 × 55mm | 258 × 103 × 55mm | 258 × 103 × 55mm |
| Weight | 540g | 540g | 600g | 600g | 600g | 600g |
| Functions Measured | AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Resistance | AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Resistance | AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Resistance | AC Current, AC Voltage, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Resistance | AC Current, AC Voltage, THD, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Harmonics, Power, Power Factor, Resistance, Temperature, | AC Current, AC Voltage, THD, Capacitance, Continuity, DC Current, DC Voltage, Diode, Frequency, Harmonics, Power, Power Factor, Resistance, Temperature, |

HANDHELD ELECTRICAL TEST EQUIPMENT

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ICM SERIES CLAMP METERS



Utilising Hall effect technology, our ICM series benefits from nickel steel alloy jaws for precise measurement of AC and DC current up to 600A.

COMMON INFORMATION

- 4000-count digital display
- Backlit, large-scale display
- Display hold
- Peak hold (10 Ms)
- Min/Max function

Supplied with:

Battery, test leads, carry case, user manual

Display Type:

LCD

| SPECIFICATIONS / RANGES / MODEL | ICM136R 123-3222 | ICM133R 123-3225 | ICM139R 123-3227 | ICM134 123-3228 | ICM135R 123-3229 |
|---|---|---|---|--|---|
| Absolute Maximum AC Voltage | 600V AC | 750V AC | 750V AC | 750V AC | 600V AC |
| Absolute Maximum AC Current | 600A AC | 1kA AC | 1kA AC | 600A AC | 600A AC |
| Absolute Maximum DC Voltage | 600V DC | 1000V DC | 1000V DC | 1000V DC | 600V DC |
| Absolute Maximum DC Current | 600A DC | - | 1000A DC | 4mA DC | - |
| AC Voltage Measurement Resolution | 100mV | 100mV | 100mV | - | 100mV |
| DC Voltage Measurement Resolution | 100mV DC | 100mV DC | 100mV DC | - | 100mV DC |
| Best Resistance Measurement Accuracy | ±1% + 3 digits | ±1% + 3 digits | ±1% + 3 digits | ±0.7% + 2 digits | ±1% + 3 digits |
| Absolute Maximum Resistance | 400Ω | 400Ω | 400Ω | 40Ω | 400Ω |
| Best DC Voltage Accuracy | ±0.7% + 2 digits | ±0.7% + 2 digits | ±0.7% + 2 digits | ±0.9% + 2 digits | ±0.7% + 2 digits |
| Best AC Voltage Accuracy | ±1% + 5 digits | ±1% + 5 digits | ±1% + 5 digits | ±1% + 5 digits | ±1% + 5 digits |
| Best DC Current Accuracy | ±1.9% + 5 digits | ±1.9% + 5 digits | ±1.9% + 5 digits | ±1% + 2 digits | ±1.9% + 5 digits |
| Best AC Current Accuracy | ±1.9% + 5 digits | ±1.9% + 5 digits | ±1.9% + 5 digits | ±1.9% + 5 digits | ±1.9% + 5 digits |
| Safety Category Voltage | 600 V, 1000 V | 600 V, 1000 V | 600 V, 1000 V | 600 V, 1000 V | 600 V |
| Clamp Meter Type | Current, Voltage | Current, Voltage | Current, Voltage | Current Tester, Temperature, Voltage Tester | Current, Voltage |
| Jaw Capacity Busbars | 45mm | 53mm | 53mm | 32mm | 37mm |
| Battery Life | 300 h | 300 h | 300 h | 200 h | 300 h |
| Battery Type | IEC 6F22, NEDA 1604, 9V | IEC 6F22, NEDA 1604, 9V | IEC 6F22, NEDA 1604, 9V | 9V Alkaline | IEC 6F22, NEDA 1604, 9V |
| Operating Temperature | 0 - +50 | 0 - +50 | 0 - +50 | 0 - +50 | 0 - +50 |
| Functions Measured | AC current, AC voltage, Continuity, DC current, DC voltage, Diode test, Frequency, Resistance | AC current, AC voltage, Continuity, DC voltage, Diode test, Frequency, Resistance | AC current, AC Voltage, Continuity, DC current, DC voltage, Diode test, Frequency, Resistance | AC current, AC voltage, Capacitance, Continuity, DC current, DC voltage, Diode test, Resistance, Temperature | AC current, AC voltage, Continuity, DC voltage, Diode test, Frequency, Resistance |
| Maximum Conductor Size | 35mm (dia.) | 51mm (dia.) | 51mm (dia.) | 32mm (dia.) | 34mm (dia.) |
| Dimensions | 78 × 51 × 235mm | 90 × 51 × 275mm | 90 × 51 × 275mm | 84 × 40 × 212mm | 76 × 50 × 220mm |
| Weight | 380g | 420g | 420g | 390g | 360g |
| Safety Category | CAT II 1000 V, CAT III 600 V | CAT III 1000 V, CAT IV 600 V | CAT III 1000 V, CAT IV 600 V | CAT II 1000 V, CAT III 600 V | CAT III 600 V |
| Safety Category Level | CAT II, CAT III | CAT III, CAT IV | CAT III, CAT IV | CAT II, CAT III | CAT III |

HANDHELD ELECTRICAL TEST EQUIPMENT

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ICM SERIES CLAMP METERS



Great value, fully automatic intelligent testers that select the measuring function dependent on input terminal and current clamp conditions. No range selection is necessary. The clamp meter measures AC voltage, DC voltage, resistance and AC current.

COMMON INFORMATION

- Innovative open jaw technology
- Continuity bleeper
- Display hold function
- Auto power off
- Detachable leads to allow replacement or connection of fused test leads
- Continuity and Diode test

Supplied with:

Battery, test leads, carry case, user manual

Display Type:

LCD

| SPECIFICATIONS / RANGES / MODEL | ICMA5 123-3232 | ICMA7-4 123-3233 | ICMA6 123-3234 | ICMA1 123-3256 | ICMA9 124-1957 |
|---|--|--|--|---|---|
| Absolute Maximum AC Voltage | 750V AC | 600V AC | 750V AC | - | 600V AC |
| Absolute Maximum AC Current | 200A AC | 200A AC | 600A AC | 300A AC | 400A AC |
| Absolute Maximum DC Voltage | 1000V DC | 600V DC | 999.9V DC | - | 600V DC |
| Absolute Maximum DC Current | - | - | - | 300A DC | - |
| Absolute Maximum Resistance | 2kΩ | 2kΩ | 2kΩ | - | 2kΩ |
| Best Resistance Measurement Accuracy | ±1% + 2 digits | ±1% + 2 digits | ±2% + 2 digits | - | ±2% + 2 digits |
| Best DC Voltage Accuracy | ±1% + 2 digits | - | ±1% + 2 digits | - | ±1% + 4 digits |
| Best AC Voltage Accuracy | ±1.5% + 3 digits | ±1.5% + 3 digits | ±1.5% + 3 digits | - | ±1.5% + 3 digits |
| Best AC Current Accuracy | ±3% + 3 digits | ±3% + 3 digits | ±2% | ±2.5% + 5 digits | ±1.8% + 3 digits |
| Clamp Meter Type | Current, Voltage | Current, Voltage | Current, Voltage | Current, Voltage | Continuity, Current, Diode, Resistance, Voltage |
| Jaw Capacity Busbars | 16mm (Dia.) | 16mm (Dia.) | 38mm (Dia.) | - | 35mm |
| Battery Life | 250h | 250h | 250h | 20h | 250h |
| Battery Type | IEC 6F22, NEDA 1604, 9V | IEC 6F22, NEDA 1604, 9V | IEC 6F22, NEDA 1604, 9V | A76, LR44 | 9V Alkaline (NEDA 1604 or IEC 6F22) |
| Operating Temperature | -20°C - +50°C | -20°C - +50°C | -20°C - +50°C | 0°C - +50°C | 0°C - +50°C |
| Safety Category Voltage | 600 V, 1000 V | 600V | 600V, 1000V | 600V | 600V, 1000V |
| Safety Category | CAT III 1000 V, CAT IV 600V | CAT III 600V | CAT II 1000 V, CAT III 600 V | CAT III 600V | CAT II 1000V, CAT III 600V |
| Dimensions | 66 × 46 × 198mm | 84 × 31 × 175mm | 83 × 48 × 200mm | 60 × 31 × 147mm | 66 × 46 × 198mm |
| Weight | 280g | 280g | 375g | 140g | 260g |
| Functions Measured | AC current, AC voltage, Continuity, DC voltage, Diode test, Resistance | AC current, AC voltage, Continuity, DC voltage, Diode test, Resistance | AC current, AC voltage, Continuity, DC voltage, Diode test, Resistance | AC current, DC current, Inrush current, Low pass filter | AC current, AC voltage, DC voltage, Resistance |

HANDHELD ELECTRICAL TEST EQUIPMENT

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NON-CONTACT VOLTAGE INDICATOR CAT II 1000 V

The RS PRO non-contact volt tester, is a highly reliable detector perfect for testing live wires and conductors without coming into contact with them, preventing the risk of electric shock or injury.

- Ideal for 90 V - 1000 V AC
- Thin probe tip ideal for working with wall outlets and tight spaces
- Includes 2 × 1.5 V AAA batteries
- 6 hours of battery time



| | |
|------------------------|----------------------|
| MODEL | 192-3685 |
| Maximum Voltage | 1000V AC |
| Safety Category | CAT II 1000V |
| Battery Type | 1.5 V AAA (Supplied) |
| Dimensions | 152 × 4.5mm |

NON-CONTACT AC VOLTAGE DETECTOR **192-3685**

AC-15EXS NON CONTACT VOLTAGE DETECTOR

A highly reliable non-contact voltage detector perfect for testing live wires and conductors without coming into contact with them. This detector features a green LED light to indicate power is on and a red LED with beeper indicating a live voltage has been detected.

- High power rear flashlight
- Thinner probe tip ideal for working with wall outlets and tight spaces
- 2m drop-proof
- Low battery self-test & auto power off, ensuring a longer battery life
- Forward facing flashlight
- Pocket clip for easy storage



| | |
|------------------------|-----------------|
| MODEL | 178-1216 |
| Maximum Voltage | 100A AC |
| Safety Category | CAT IV 1000V |
| Battery Type | 1.5V AAA |
| Dimensions | 25 × 23 × 160mm |

AC-15EXS NON CONTACT VOLTAGE DETECTOR **178-1216**

RS-LA101 STUD/METAL/AC VOLTAGE FINDER

The RS PRO RS-LA101 has been designed to detect metal or wooden objects embedded within building and construction materials. This 3-in-1 stud tester uses electronic signals to locate the edges of studs, joists or live wires through drywall and other building materials, ideal when drilling is required to ensure that these areas remain undamaged and untampered with.

- Audible alarm and illumination on the unit to highlight detection of an object
- Powered and supplied with a 9V battery



| | |
|------------------------------|-----------------|
| MODEL | 193-8684 |
| Stud Detection Depth | 1-1/2in |
| Operating Temperature | 0°C - +40°C |
| Battery Type | 9V (Supplied) |
| Dimensions | 60 × 28 × 145mm |

3 IN 1 STUD/METAL/AC VOLTAGE FINDER **193-8684**

RS-9331 VOLTAGE INDICATOR AND CONTINUITY TESTER

This durable RS PRO RS-9331 is designed to deliver fast and accurate results when testing circuits. It combines all of the functionality and versatility needed for precision testing and reliable results for any two-pole voltage and continuity testing applications by using a double-pole probe and contact electrode probe. It is one of the most essential safety proving units in an electrician's tool kit, ensuring that it is safe for an electrician to start the electrical installation.

- IP64 protection rating



| | |
|----------------------------|---------------------|
| MODEL | 193-8692 |
| Test Current Rating | ≤30 μA, ≤5μA |
| Output Voltage | 1000V |
| Battery Type | 1.5V AAA (Supplied) |
| Dimensions | 73 × 34 × 240mm |

ELECTRICAL TESTER **193-8692**

HANDHELD CALIBRATORS

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CC421-G CURRENT & VOLTAGE CALIBRATOR



- Simulate electronic load (Max.30V, 20mA)
- Test LED brightness (0~20mA)
- Calibrate temperature of 11 types of thermocouples
- Handle function generator of sine wave, square wave, triangular wave, arbitrary wave, from 0.3 to 20KHz
- Pulse generator (3 μ S to 999.99ms)
- Measure: Current (DC mA), Voltage (DC mV, DC V) and temperature ($^{\circ}$ C, $^{\circ}$ F)
- Measure 4~20mA with 24V loop supply simultaneously
- Selectable 250 Ω HART resistor to facilitate use with HART communication device
- Programmable cold junction compensation for temperature measurement
- Auto step and auto ramp for sourcing mA, V, and temperature
- Dot matrix LCD with backlight
- Rechargeable lithium battery (1600mAh)
- Data logging function for source and measurement

Size & Weight:
L: 214, W: 98.7, H: 56mm, 650g

Battery Type:
Li-Ion

| MODEL | 174-9556 |
|-----------------------|-----------------------------------|
| Operating Temperature | 0 $^{\circ}$ C - +50 $^{\circ}$ C |
| Voltage Range | 0.005 - 20mV |
| Source Current Range | 0.005 - 24mA |
| Best Accuracy | 6% |

CC421-G CURRENT & VOLTAGE CALIBRATOR 174-9556

RS133 & RS135 CALIBRATORS



- Source 4~20mA, 0~24mA with 1 μ A resolution (1 K Ω load, 24V loop supply), basic accuracy 0.025%
- Source 0~24.000V with 1mV resolution
- Source frequency 1~20000Hz square wave with programmable duty cycle (1~99%)
- Auto step and auto ramp for sourcing mA, V
- Easy fixed 25% up and down, or programmable percentage (1~99%) increase and decrease (mAV)
- Measure DC mA with loop power (24V output)
- Measure DC V
- Measure Temperature ($^{\circ}$ C, $^{\circ}$ F) of 11 types of thermocouples (K, J, E, T, R, S, N, L, U, B and C)
- Calibrator grade precision temperature measurement with 0.1 $^{\circ}$ C & 0.1 $^{\circ}$ F resolution
- Detection of thermocouples disconnection
- Source and Measure at the same time
- Warning for overload, output open (mA) or short (V)
- Short circuit protection for output
- Battery power indication (%) when turn on the calibrator

| MODEL | RS133 | RS135 |
|-----------------------|-----------------------------------|-----------------------------------|
| Operating Temperature | 0 $^{\circ}$ C - +50 $^{\circ}$ C | 0 $^{\circ}$ C - +50 $^{\circ}$ C |
| Dimensions | 214 x 98.7 x 56mm | 214 x 98.7 x 56mm |
| Battery Type | Rechargeable Li-Ion | Rechargeable Li-Ion |
| Best Accuracy | 6% | \pm 0.025% \pm 5 digits |

RS133 CURRENT AND VOLTAGE CALIBRATOR 174-9556

RS135 4-20 MA LOOP CALIBRATOR WITH THERMOMETER 174-9557



ET5300 EARTH & GROUND RESISTANCE TESTER 2KΩ



Electrical testers to be used on motors, generators, cables, or switch gear, the tester line is designed to be safe, simple to use and gimmick-free. A perfect solution for troubleshooting, commissioning, and preventative maintenance applications.

- Large dual display with backlight & Low Battery Indication
- Test hold function for easy operation
- Zero Automatic adjustment
- Sampling Rate: 2.5 times per second
- Includes 6 "AA" batteries, test leads and carrying case

| MODEL | ET5300 |
|---|---------|
| Absolute Maximum Resistance Measurement | 2kΩ |
| Best Accuracy | ±2 % |
| Display Type | LED |
| Battery Type | AA |
| Power Source | Battery |

| MODEL | ET5300 |
|-------------------------------|---|
| Dimensions | 200 × 92 × 50mm |
| Maximum Operating Temperature | 40°C |
| Plug Type | Banana Plug |
| Includes | Battery x 6, Carrying Case, Iron Rods x 4, Manual, Sets Test Kits x 4 |

ET5300

144-5339

MT-6600 ELECTRICAL TESTER

Electrical testers to be used on motors, generators, cables, or switch gear, the tester line is designed to be safe, simple to use and gimmick-free. A perfect solution for troubleshooting, commissioning, and preventative maintenance applications.

- 3.5" TFT colour LCD display with 320 × 240 pixels
- Variable RCD current mode for customized settings
- PASS/FAIL indication for RCD tests
- Select voltage measurement between L-N, L-PE and N-PE
- Support SD memory and USB and Bluetooth interface



| MODEL | MT-6600 |
|-------------------------------|-------------|
| Maximum Continuity Resistance | 2000Ω |
| Maximum Voltage Measurement | 1000V |
| Operating Temperature | 0°C - +45°C |
| Display Type | LCD |

| MODEL | MT-6600 |
|-----------------|--|
| Dimensions | 242 × 105 × 145mm |
| Weight | 1.6kg |
| Safety Category | CAT III 600V |
| Power Source | Battery |
| Battery Type | 1.2V AA Rechargeable Ni-MH, 1.5V AA Alkaline |

MT-6600

144-5338

MT-6600 Multifunction Tester, 1000V With Bluetooth

177-9342

RS-9985 INSULATION TESTER WITH MULTIMETER

This meter measures AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Frequency (electrical & electronic), Duty Cycle, Diode Test, Insulation Test, and Continuity plus Thermocouple Temperature. It can store and recall data. It features a waterproof, rugged design for heavy duty use. Proper use and care of this meter will provide many years of reliable service.



| MODEL | RS-9985 |
|---|------------------------------|
| Maximum Insulation Resistance Measurement | 4000MΩ |
| Tester Type | Insulation Resistance Tester |
| Display Type | LCD |
| Test Current | 1mA |
| Minimum Operating Temperature | 5°C - 40°C |

| MODEL | RS-9985 |
|-----------------|------------------------|
| Dimensions | 96.5 × 60.5 × 220mm |
| Weight | 631g |
| Safety Category | CAT III, CAT IV |
| Power Source | Battery |
| Battery Type | 1.5V AAA, 9V NEDA 1604 |

RS-9985

161-1630

HANDHELD ELECTRICAL INSTALLATION TESTING & ACCESSORIES

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RS CT-240A DIGITAL CIRCUIT BREAKER FINDER



This RS PRO digital circuit breaker finder is ideal for use to quickly find and identify circuit breakers or fuses on any 110V 50Hz mains power supplies. The device consists of a transmitter that is plugged into the mains power and a receiver that has a LED indicator and audible alarm when the correct circuit breaker is identified.

The circuit breaker finder is powered by a 9V battery (included) and offers an auto-power off function after 3 minutes of inactivity to help with better battery life of the unit.

MODEL

| | |
|-------------------------------|-----------------|
| Probe Voltage | 240V |
| Weight | 120g |
| Dimensions | 64 × 42 × 192mm |
| Maximum Operating Temperature | +40°C |
| Minimum Operating Temperature | 0°C |

DIGITAL CIRCUIT BREAKER FINDER

193-8690

IIT1500 INSULATION TESTER



- 4000-count LCD display with analogue bargraph
- Test voltages: 50V, 100V, 250V, 500V & 1000V
- Polarisation Index (PI) and Dielectric Absorption Ratio (DAR) measurements for accurate measurement of insulation quality
- CAT IV 600V safety rating
- Fuse test
- 600 V AC/DC voltage measurement range
- Store/Recall memory & compare (Pass/Fail) function
- Includes remote test probe for fast testing

Size & Weight:

95 × 51.2 × 200mm: 630g

Power Source:

AA Alkaline battery

Supplied with:

Test-lead set, crocodile clips, remote test probe, rubber holster, tester hanging kit, 4 AA alkaline batteries and instruction manual

MODEL

IIT1500

| | |
|-----------------------|-----------------------|
| Tester Type | Insulation multimeter |
| Test Voltage Range | 50 - 1000V |
| Operating Temperature | 0°C - +50°C |
| Battery Life | 1100h |
| Safety Category | CAT IV 600V |

IIT1500 INSULATION TESTER

123-3220

LCR1701 & LCR1703 LCR METERS

LCR1700 series hand held LCR smart meter feature innovative automatic selection technology. Their USB interface provides the convenience of external DC power supply and connection to a PC for data acquisition.

LCR1701 is supplied with alligator clips, shorting bar, battery and manual, while LCR1703 is supplied with alligator clips, shorting bar, magnetic hanging kit, 4 wires SMD test clip, DC power cable, USB cable, software CD, battery and manual.



COMMON INFORMATION

- 20000/2000-count dual digital display
- 46 segments bar graph display
- Auto selection of LCR testing
- Auto-ranging
- Auto backlit
- 0.2% basic accuracy capacitance and inductance
- Measurement parameters L.C.R.D.Q., EsR
- Testing frequency 100Hz, 120Hz, 1kHz, 10kHz, 100kHz selectable
- Parallel/serial test mode
- Sorting mode for QC

MODEL

LCR1701 LCR1703

| | |
|---------------------------------|-----------------|
| Maximum Capacitance Measurement | 20mF |
| Maximum Resistance Measurement | 200MΩ |
| Maximum Inductance Measurement | 20kH |
| Operating Temperature | 0°C - +50°C |
| Battery Life | 50h |
| Bench/Handheld | Handheld |
| Dimensions | 95 × 207 × 52mm |

LCR1701 LCR Meter

123-3255

LCR1703 LCR Meter

123-3254

HANDHELD POWER MEASUREMENT

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IPM3000 SERIES POWER QUALITY ANALYSER

Great value balanced 3-phase and single phase power quality tester with flexible probe and data logging functions. It is designed for measuring and diagnosing power problems in electrical installations and power circuits.

An optically isolated USB lead and analysis software enable readings to be displayed and/or downloaded for analysis on a PC or laptop.



IPM3005



IPM3600N

ADDITIONAL INFORMATION

Features and Benefits:

- Non-interrupted harmonic analysis (V and A) to the 50th order in % and magnitude
- Dual display with fast Peak Hold, Max and Min functions
- Selectable CT ratios from 1 to 250
- Data logging to internal memory for up to 8000 readings with programmable logging interval
- Selectable Auto power-off up to 30 minutes

Size:

IPM3600N 116 × 54 × 235mm

Areas of Application:

Electrical installations, power circuits

| MODEL | IPM3005 | IPM3600N |
|-----------------------------|-------------------|-------------|
| Maximum Frequency | 50, 65Hz | 60Hz |
| Maximum Voltage | 600V | 999.9V |
| Maximum Current Measurement | 3000A | 999.9A |
| Maximum Power Measurement | 9999kW | 999.9kW |
| Operating Temperature | - | 0°C - +50°C |
| Interface Type | Optical data lead | USB |
| Display Type | LCD | LCD |

CURSORS AND MEASUREMENT

| Measurement Type | IPM3005 | IPM3600N |
|-----------------------------------|---|---|
| Measurement Type | AC current, AC voltage, AC wattage, Harmonic, Total harmonic distortion | AC current, AC voltage, AC wattage, Frequency, Harmonic, Phase angle, Power energy, Power factor, Three phase frequency detection |
| Best Voltage Measurement Accuracy | ±0.5 % ± 5 digits | ±0.3 % ± 10 digits |

IPM3005 POWER QUALITY ANALYSER

123-2200

IPM3600N POWER QUALITY ANALYSER

123-2244

IPM6000 SERIES POWER QUALITY ANALYSER

Great value, single phase and balanced 3 phase graphical power quality analyser. It incorporates data logging functions for analysis and diagnosis of power quality and power disturbance issues in electrical installations and power circuits.

Optically isolated USB connection lead and analysis software (supplied) enables readings to be displayed and recorded data to be downloaded, controlled and analysed on a PC or laptop computer.

COMMON INFORMATION

Maximum Power Measurement:
9999kW

Display Type: LCD



IPM6200



IPM6300

| MODEL | IPM6200 | IPM6300 |
|-----------------------------|-------------------|-----------------|
| Maximum Frequency | 50, 60Hz | 65Hz |
| Maximum Voltage | 600V | 600V |
| Maximum Current Measurement | 1500A | 3000A |
| Operating Temperature | -10°C - +50°C | -10°C - +50°C |
| Weight | 640g | 450g |
| Dimensions | 62 × 35.6 × 210mm | 80 × 43 × 130mm |
| Battery Type | 1.5V | 1.5V |

CURSORS AND MEASUREMENT

| Measurement Type | IPM6200 | IPM6300 |
|-----------------------------------|--|--|
| Measurement Type | AC current, AC voltage, AC wattage, Harmonic, Phase angle, Power factor, Total harmonic distortion | AC current, AC voltage, AC wattage, Crest Factor, Harmonic, Phase angle, Power factor, Total harmonic distortion |
| Best Voltage Measurement Accuracy | ±0.5 % ± 5 digits | ±0.5 % ± 5 digits |

IPM6200 POWER QUALITY ANALYSER

123-2207

IPM6300 POWER QUALITY ANALYSER

123-2201

HANDHELD DATA CABLE & NETWORK TEST EQUIPMENT

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4-PIECE NETWORK TOOL KIT



Versatile tool kit ideal for checking cable continuity and efficient stripping and crimping of cables and wire where required. This high quality kit is also supplied in a handy wallet, ensuring the tools and accessories are protected when not in use.

Includes:

- LAN Cable Tester
- Modular Crimping Tool for 8P8C
- Low Impact Insertion Tool
- Universal Cable Stripper & Cutter

| MODEL | 194-5912 |
|--------------|--|
| Cable Type | LAN, RJ45/STP, RJ45/UTP |
| Test Type | Continuity, Miswire, Open Circuit, Short Circuit |
| Battery Type | 9V |

ASSEMBLED CABLE TESTER **194-5912**

RJ45/RJ11 CONTINUITY TESTER

Conveniently checks the continuity of screened/unscreened telephone and computer link cabling systems (up to 1000ft/0.3km).

The tester accommodates RJ11/RJ45, and DEC type plug interfaces. An immediate, simple, visual LED indication is provided of line continuity, by depressing a conveniently located push-button switch to initiate a test cycle.



Power Source: 9V battery

Tests for:

Open, shorted, crossed, reversed, transposed, split, non-pair wiring

Test Types:

Cable continuity, Miswire, Open circuit, Short circuit

| MODEL | 233-8919 |
|----------------------|-------------------|
| Cable Types | Coaxial, STP, UTP |
| Port Interface | RJ11, RJ45 or DEC |
| I/O Current | 5mA (max.) |
| Position Access Time | 1 second |

RJ45/RJ11 CONTINUITY TESTER **233-8919**

TES-48 LAN CABLE TESTER

- Rugged, battery operated, handheld LAN tester to identify cable failures
- UTP, FTP & coax cabling tests
- Category 5 cabling
- End to end EIA/TIA 568 verification
- Distance to fault location
- Measures cabling length
- Easy to read LCD display
- Auto power off
- Identifies up to 8 different cables with cable identifiers [available seperately]
- Can be used for cables between 1m and 350m



Size & Weight:

150 × 72 × 35mm: Approx. 215g

Power Source:

6 pcs 1.5V size AAA battery

Supplied with

Instruction manual, Carry case, 1 x FTP Category 5 patch cable, 1 x RJ45F - RJ45F female coupler

| MODEL | TES-48 |
|-----------------------|---|
| Faults Status | Opens, Shorts, Reversed, Crossed, Split Pair. |
| Display | Large LCD display |
| Connector | RJ45 and BNC |
| Data Memory Capacity | 99 sets |
| Operating Temperature | 0°C - +40°C |

TES-48 CABLE TESTER **462-9267**

CABLE IDENTIFIER FOR USE WITH TES-48 **425-0798**

TES45 CABLE TESTER

Easy to use slim-line, handheld LAN cabling verifier with complete wire test mapping of unshielded twisted pair cables.



Dimensions:

170 × 52 × 38mm

Tests:

Crossed, Open, Reversed, Shorted, Split Wires

| MODEL | TES45 |
|-----------------------|-------------|
| Cable Type | UTP |
| Display Type | LCD |
| Maximum Cable Length | 150m |
| Maximum Cables | 4 |
| Battery | 9V |
| Operating Temperature | 0°C - +50°C |

TES45 CABLE TESTER **425-0754**

RSHS800 SERIES HANDHELD DIGITAL OSCILLOSCOPE

RSHS800 Series handheld digital oscilloscopes provide oscilloscope, multimeter and recorder (including trends and waveform) functions all in one package. The choice of model is between 60MHz (123-6454), 100MHz (123-6455), 150MHz (123-6456) & 200MHz (123-6457) bandwidths. These instruments offer stable performance combined with high performance. They have the flexibility in use for both workbench and field applications.



COMMON INFORMATION

Features and Benefits

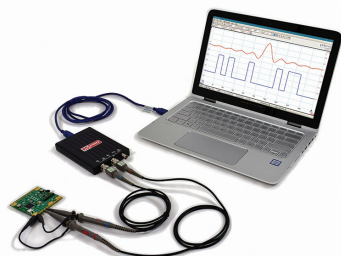
- Dual-input oscilloscope, multimeter and recorder in one instrument
- Input voltage through BNC up to CAT ~ 300V and CAT ~ 150V
- Standard probe 10X CAT~ 400V
- 6000 dots display resolution
- Supports Scope TrendPlot, Meter TrendPlot, Scope Recorder
- Multiple language user interface

| MODEL | RSHS806 123-6454 | RSHS815 123-6456 | RSHS820 123-6457 |
|------------------------------|--|--|--|
| Number of Channels | 2 | 2 | 2 |
| Bandwidth | 60MHz | 150MHz | 200MHz |
| Power Source | Battery, Mains | Battery, Mains | Battery, Mains |
| Display Type ; Size | Colour, TFT LCD; 5.7 inch | Colour, TFT LCD; 5.7 inch | Colour, TFT LCD 5.7 inch |
| Vertical Sensitivity | 2mV/div - 100V/div | 2mV/div - 100V/div | 2mV/div - 100V/div |
| Time Base (Min → Max) | 5ns/div - 50s/div | 2.5ns/div - 50s/div | 2.5ns/div - 50s/div |
| Sample Rate Random | 1 (Real Time) G samples/s, 50 (Equivalent) G samples/s | 50 (Equivalent) G samples/s, 500 (Real Time) M samples/s | 50 (Equivalent) G samples/s, 500 (Real Time) M samples/s |
| Rise Time | ≤5.8ns | ≤2.3ns | ≤1.7ns |
| USB Interface | Yes | Yes | Yes |
| Record Length | 2M points/ch | 2M points/ch | 32M points/ch |
| Dimensions ; Weight | 259.5 × 163.2 × 53.3mm; 1.5kg | 259.5 × 163.2 × 53.3mm; 1.5kg | 259.5 × 163.2 × 53.3mm; 1.5kg |
| Safety Category | CAT II 1000V, CAT III 600V | CAT II 1000V, CAT III 600V | CAT II 1000V, CAT III 600V |
| Operating Temperature | 0°C - 40°C | 0°C - 40°C | 0°C - 40°C |

2205A-20 ULTRA-COMPACT USB OSCILLOSCOPE

For use as an advanced oscilloscope, spectrum analyzer, function generator, arbitrary waveform generator and protocol decoder out of the box. Mixed signal models also add a 16 channel logic analyzer. A complete electronics lab in one compact, low-cost, USB-powered unit. Delivering unbeatable value for money and ideal for education, hobby and field service use. In the lab the low cost allows one scope per person rather than having to share.

- 6 instruments in one
- Ultra-compact design
- Up to 100 MHz bandwidth
- Up to 128 MS buffer memory
- Decode 16 serial protocols as standard
- USB connected and powered
- Windows, Linux and Mac software



Advanced Digital Triggering

The 2205A-20 utilises full digital triggering using the actual digitised data. This eliminates trigger errors and allows the scope to trigger on the smallest signals.

Serial Decoding

The 2205A-20 comes with serial decoding as standard. Display the data in the graph, in a table, or in both at once:

Multiple Views

The free PicoScope software makes the best possible use of the display area. The waveform view is much bigger and higher resolution than a typical benchtop scope.

| MODEL | | 2205A-20 |
|------------------------------|------------------------|----------------------|
| Number of Channels | | 2 |
| Bandwidth | | 20MHz |
| Time Base | Maximum Minimum | 5000s/div 5ns/div |
| Vertical Sensitivity | Maximum Minimum | 1mV/div 10mV/div |
| Rise Time | | 14ns |
| Display Type | | Analogue |
| Dimensions | | 142 × 92 × 18.8mm |
| Operating Temperature | | 0°C - +50°C |
| Weight | | 200g |

2205A-20

163-2719

RMSO-2000E SERIES OF MIXED-SIGNAL OSCILLOSCOPES



This high-performance range offers dual analogue channels plus 16 digital channels or 4 analogue channels. This RS PRO series also offers bandwidth selections of 200MHz, 100MHz and 70MHz plus an 8-inch 800x480 TFT LCD colour screen to clearly display measurement results.

COMMON INFORMATION

- 10M memory depth and VPO Waveform Display Technology
- 8" WVGA TFT LCD Colour screen
- Data Log Function
- Mask Test Function & Network Storage Function

Supplied with:

Quick start guide, User manual CD x 1, Power cord x 1, Switchable passive probe (varying per model).

Display Type:

LCD



2102E
180-4786



2104E
180-4787



2202E
180-4788



2204E
180-4789



2102EA
180-4790



2104EA
180-4791



2202EA
180-4792



2204EA
180-4793

| SPECIFICATIONS / RANGES / MODEL | 2102E 180-4786 | | 2104E 180-4787 | | 2202E 180-4788 | | 2204E 180-4789 | | 2102EA 180-4790 | | 2104EA 180-4791 | | 2202EA 180-4792 | | 2204EA 180-4793 | |
|---------------------------------------|---------------------------|--|-------------------|--|---------------------------|--|-------------------|--|---------------------------|--|--------------------|--|---------------------------|--|--------------------|--|
| Number of Channels | 2 | | 4 | | 2 | | 4 | | 2 | | 4 | | 2 | | 4 | |
| Bandwidth | 100MHz | | | | 200MHz | | | | 100MHz | | | | 200MHz | | | |
| Power Type | Mains | | | | Mains | | | | Mains | | | | Mains | | | |
| Display Type | TFT LCD WVGA | | | | TFT LCD WVGA | | | | TFT LCD WVGA | | | | TFT LCD WVGA | | | |
| Vertical Sensitivity (Min/Max) | 1mV/div to 10V/div | | | | 1mV/div to 10V/div | | | | 1mV/div to 10V/div | | | | 1mV/div to 10V/div | | | |
| Time Base (Min/Max) | 1ns/div to 100s/div | | | | 1ns/div to 100s/div | | | | 1ns/div to 100s/div | | | | 1ns/div to 100s/div | | | |
| Screen Size | 8in | | | | 8in | | | | 8in | | | | 8in | | | |
| Sample Rate Random | 1 Gsps | | | | 1 Gsps | | | | 1 Gsps, 200 (AWG) Msps | | | | 1 Gsps, 200 (AWG) Msps | | | |
| USB Interface | Yes | | | | Yes | | | | Yes | | | | Yes | | | |
| Record Length (per channel) | 10M pts (max) | | | | 10M pts (max) | | | | 10M pts (max) | | | | 10M pts (max) | | | |
| Vertical Resolution | 8 bits : 1mV ~ 10V/div | | | | 8 bits : 1mV ~ 10V/div | | | | 8 bits | | | | 8 bits | | | |
| Dimensions (WxHxD) | 384x208x127.3mm | | | | 384x208x127.3mm | | | | 384x208x127.3mm | | | | 384x208x127.3mm | | | |
| Safety Category | CAT I 300 V, CAT II 300 V | | | | CAT I 300 V, CAT II 300 V | | | | CAT I 300 V, CAT II 300 V | | | | CAT I 300 V, CAT II 300 V | | | |
| Operating Temperature | 0°C - +50°C | | | | 0°C - +50°C | | | | 0°C - +50°C | | | | 0°C - +50°C | | | |
| Weight | 2.8kg | | | | 2.8kg | | | | 2.8kg | | | | 2.8kg | | | |
| Rise Time | 3.5ns | | | | 1.75ns | | | | 3.5ns | | | | 1.75ns | | | |

RSDM-2000EG SERIES MIXED DOMAIN DIGITAL OSCILLOSCOPE



A range of highly accurate digital storage oscilloscopes with a multitude of features essential for testing and measuring the bandwidth and waveform of electronic signals. The series offers oscilloscopes in 100 and 200MHz, with 2 or 4 channels available to accommodate a range of applications.

Models with two analog channels provide 1GSa/s real-time sampling rate per channel; models with four analog channels provide 1GSa/s maximum real-time sampling rate.



2102EX
180-4801



2104EX
180-4802



2202EX
180-4803

2204EX
180-4804



2102EG
180-4797

2104EG
180-4798

2202EG
180-4799

2204EG
180-4800

| SPECIFICATIONS / RANGES / MODEL | 2102EX 180-4801 | | 2104EX 180-4802 | | 2202EX 180-4803 | | 2204EX 180-4804 | | 2102EG 180-4797 | | 2104EG 180-4798 | | 2202EG 180-4799 | | 2204EG 180-4800 | |
|---------------------------------------|-------------------------------------|--|--------------------|--|-------------------------------------|--|--------------------|--|-------------------------------------|--|--------------------|--|-------------------------------------|--|--------------------|--|
| Number of Channels | 2 | | 4 | | 2 | | 4 | | 2 | | 4 | | 2 | | 4 | |
| Bandwidth | 100MHz | | | | 200MHz | | | | 100MHz | | | | 200MHz | | | |
| Power Type | Mains | | | | Mains | | | | Mains | | | | Mains | | | |
| Display Type | TFT LCD, WVGA | | | | TFT LCD, WVGA | | | | TFT LCD, WVGA | | | | TFT LCD, WVGA | | | |
| Vertical Sensitivity (Min/Max) | 1mV/div - 10V/div | | | | 1mV/div - 10V/div | | | | 1mV/div - 10V/div | | | | 1mV/div - 10V/div | | | |
| Time Base (Min/Max) | 1ns/div (min) | | | | 1ns/div (min) | | | | 1ns/div (min) | | | | 1ns/div (min) | | | |
| Screen Size | 8in | | | | 8in | | | | 8in | | | | 8in | | | |
| Sample Rate Random | 1 Gsps | | | | 1 Gsps | | | | 1 Gsps | | | | 1 Gsps | | | |
| Interface | CAN, IIC, LIN, RJ45, SPI, UART, USB | | | | CAN, IIC, LIN, RJ45, SPI, UART, USB | | | | CAN, IIC, LIN, RJ45, SPI, UART, USB | | | | CAN, IIC, LIN, RJ45, SPI, UART, USB | | | |
| Vertical Resolution | 8 bit | | | | 8 bit | | | | 8 bit | | | | 8 bit | | | |
| Safety Category | CAT I 300V | | | | CAT I 300V | | | | CAT I 300V | | | | CAT I 300V | | | |
| Rise Time | 3.5ns | | | | 1.75ns | | | | 3.5ns | | | | 1.75ns | | | |

COMMON INFORMATION

Features and benefits:

Equipped with DMM and Power Supply, offering a truly unique MDO

IDS2000E Series Visual Persistence Oscilloscopes

IDS2000E Series digital storage oscilloscopes offer features normally only available on much higher-priced scopes or as expensive add-ons.

The models are equipped with Visual Persistence Oscilloscope (VPO) technology. This uses a high-density IC for hardware acceleration to transfer all the acquired data into the displayed waveform image.

IDS2000E Series can clearly display complex and random waveforms using its 8 inch 800 × 400 16:9 TFT LCD display and maximum 1 mV/div vertical range.

COMMON INFORMATION

Features and Benefits

- 10M depth of memory
- VPO waveform display technology
- Waveform update rate 120,000 wfms/sec
- 8 inch 800 × 480 TFT LCD display
- Maximum 1Mpts FFT
- Digital filter function
- Segmental waveform and waveform search functions
- I²C/SPI/UART/CAN/LIN serial bus trigger and decoding function
- Datalog function for waveform observation over long periods
- Network storage function

Note

- PC software (OpenWave software) and Driver (USB driver, LabView driver) freely downloadable



IDS2072E
123-3551



IDS2074E
124-0233



IDS2102E
124-1955



IDS2104E
123-3552



IDS2202E
124-1956



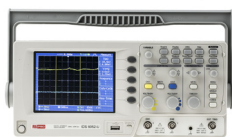
IDS2204E
123-3553

| SPECIFICATIONS / RANGES / MODEL | | 123-3551 | | 124-0233 | | 124-1955 | | 123-3552 | | 124-1956 | | 123-3553 | |
|---------------------------------|------------------------|--|--|---|--|---|--|---|--|---|--|---|--|
| Number of Channels | | 2 | | 4 | | 2 | | 4 | | 2 | | 4 | |
| Bandwidth | | 70MHz | | 70MHz | | 100MHz | | 100MHz | | 200MHz | | 200MHz | |
| Oscilloscope Type | | Digital Storage | | Digital Storage | | Digital Storage | | Digital Storage | | Digital Storage | | Digital Storage | |
| Power Source | | Mains | | Mains | | Mains | | Mains | | Mains | | Mains | |
| Display Type | | TFT LCD | | TFT LCD | | TFT LCD | | TFT LCD | | TFT LCD | | TFT LCD | |
| Screen Size | | 8in | | 8in | | 8in | | 8in | | 8in | | 8in | |
| Vertical Sensitivity | Minimum Maximum | 1mV/div 10V/div | | 1mV/div 10V/div | | 1mV/div 10V/div | | 1mV/div 10V/div | | 1mV/div 10V/div | | 1mV/div 10V/div | |
| Time Base | Minimum Maximum | 1 ns/div, 100 (ROLL) ms/div 100s/div | | 1 ns/div, 100 (ROLL) ms/div 100s/div | | 1 ns/div, 100 (ROLL) ms/div 100s/div | | 1 ns/div, 100 (ROLL) ms/div 100s/div | | 1 ns/div, 100 (ROLL) ms/div 100s/div | | 1 ns/div, 100 (ROLL) ms/div 100s/div | |
| Sample Rate Random | | 100s/div | | 100s/div | | 1G samples/s | | 1G samples/s | | 1G samples/s | | 1G samples/s | |
| Record Length | | 10M points | | 10M points | | 1M points/ch | | 10M points | | 1M points/ch | | 10M points | |
| Vertical Resolution | | 8 bit | | 8 bit | | 8 bit | | 8 bit | | 8 bit | | 8 bit | |
| Dimensions | | 384 × 127.3 × 208mm | | 384 × 127.3 × 208mm | | 384 × 127.3 × 208mm | | 384 × 127.3 × 208mm | | 384 × 127.3 × 208mm | | 384 × 127.3 × 208mm | |
| Safety Category | | CAT I 300 Vrms, CAT II 300 Vrms | | CAT II 300 Vrms | | CAT I 300 Vrms, CAT II 300 Vrms | | CAT I 300 Vrms, CAT II 300 Vrms | | CAT I 300 Vrms, CAT II 300 Vrms | | CAT I 300 Vrms, CAT II 300 Vrms | |
| Safety Category Level | | CAT I, CAT II | | CAT II | | CAT I, CAT II | | CAT I, CAT II | | CAT I, CAT II | | CAT I, CAT II | |
| Safety Category Voltage | | 300V | | 300V | | 300V | | 300V | | 300V | | 300V | |
| Operating Temperature | | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | |
| Weight | | 2.8kg | | 2.8kg | | 2.8kg | | 2.8kg | | 2.8kg | | 2.8kg | |
| Rise Time | | 5ns | | 5ns | | 3.5ns | | 3.5ns | | 1.75ns | | 1.75ns | |
| Supplied with | | Switchable passive probe (1 per channel), quick start guide, user manual on CD, power cord | | | | | | | | | | | |

IDS6000 SERIES DIGITAL STORAGE OSCILLOSCOPES

Two digital storage oscilloscopes in the IDS6000 series offer 50 and 100MHz bandwidth options.

IDS6052U 50MHz is designed to optimise balance of performance between memory length and sampling speed. Features include user-friendly menu tree operations, compact size, ergonomic design, USB host for PC connectivity and USB device port support.



IDS6102AU 100MHz provides complete remote control or data capture over a USB interface. It supports PictBridge which, connected to a compatible printer with a USB cable. Its MemoryPrime technology allows 2Mpts of waveform data.

COMMON INFORMATION

Features and Benefits

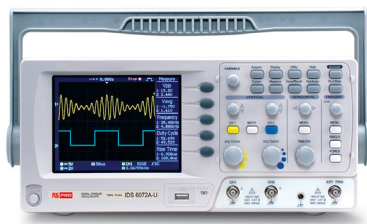
- 5.7 inch TFT colour LCD display
- Up to 27 Auto measurements
- Data logger
- Dimensions 310 × 142 × 140mm
- Weight approximately 2.5kg

Supplied with

- User manual, power cord, 70MHz switchable passive probe (1 per channel)

| MODEL | IPM6200 | 123-3538 | IPM6300 | 123-3539 |
|------------------------------|---|----------|---|---------------------------------------|
| Bandwidth | 50MHz | | 100MHz | |
| Time Base | Minimum 1ns/div, 50 (ROLL) ms/div | | Maximum 50s/div | 1 ns/div, 50 (ROLL) ms/div 50s/div |
| Vertical Sensitivity | Minimum 2mV/div | | Maximum 10V/div | 2mV/div 10V/div |
| Rise Time | <7ns | | <3.5ns | |
| Operating Temperature | 0°C - +50°C | | 0°C - +50°C | |
| Safety Category | CAT II 300V AC/DC | | CAT II 300V AC/DC | |
| Safety Category Level | CAT II | | CAT II | |
| Sample Rate Random | 25 (Equivalent Time Sampling) G samples/s, 250 (Real Time Sampling) M samples/s | | 25 (Equivalent Time Sampling) G samples/s, 250 (Real Time Sampling) M samples/s | |
| Record Length | 4k points/ch | | 4k points/ch | |
| USB Interface | Yes | | Yes | |
| Vertical Resolution | 8 bit | | 8 bit | |
| Power Source | Mains | | Mains | |

IDS6000A-U SERIES DIGITAL STORAGE OSCILLOSCOPES



Provides complete remote control or data capture over a USB interface.

MemoryPrime technology allows 2 Mpts of waveform data. Full advantage of this capacity can be taken using Horizontal Page Skip and Set Time functionalities. Auto measurement is enhanced with a built-in Autoseg function and Cursor Gating feature.

COMMON INFORMATION

Features and Benefits

- Up to 27 Automatic measurements
- Go/NoGo function
- Data logger

Supplied with

- User manual, power cord, 100MHz switchable passive probe (1/channel)

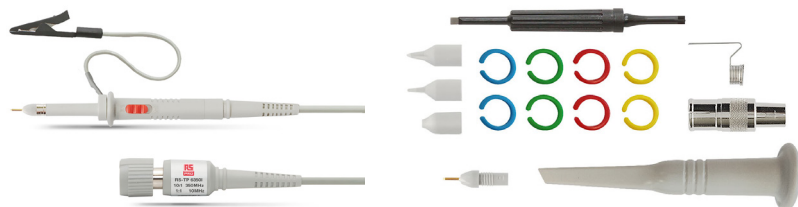
| MODEL | IDS6072AU | 124-0229 | IDS6152AU | 124-0230 |
|------------------------------|--|----------|--|----------|
| Number of Channels | 2 | | 2 | |
| Bandwidth | 70MHz | | 150MHz | |
| Oscilloscope Type | Digital Storage | | Digital Storage | |
| Power Source | Mains | | Mains | |
| Display Type | 5.7in, TFT LCD | | 5.7in, TFT LCD | |
| Vertical Sensitivity | 2mV/div - 10V/div | | 2mV/div - 10V/div | |
| Time Base | 1ns/div - 50s/div | | 1ns/div - 50s/div | |
| Sample Rate Random | 1 (Real Time) G samples/s, 25 (Equivalent) G samples/s | | 1 (Real Time) G samples/s, 25 (Equivalent) G samples/s | |
| USB Interface | Yes | | Yes | |
| Record Length | 2M points/ch | | 2M points/ch | |
| Vertical Resolution | 8 bit | | 8 bit | |
| Dimensions; Weight | 310 × 140 × 142mm: 2.5kg | | 310 × 140 × 142mm: 2.5kg | |
| Safety Category | CAT II 300V AC/DC | | CAT II 300V AC/DC | |
| Safety Category Level | CAT II | | CAT II | |

BENCH OSCILLOSCOPE ACCESSORIES

Buy this and more at rspro.com
Find out more in the **RS PRO Brandzone**



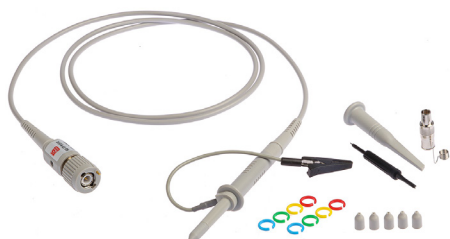
PASSIVE OSCILLOSCOPE PROBES, 5MM Ø



Ergonomically designed passive type probes suitable for use with RS PRO oscilloscopes as well as all major brands. These probes feature bandwidths of 10MHz and 500MHz, allowing you to work with high and low frequencies.

| | |
|--|----------|
| OSCILLOSCOPE PROBE, 5MM DIAMETER, 100MHZ 10:1 | 179-9560 |
| OSCILLOSCOPE PROBE, 5MM DIAMETER, 150MHZ 10:1 | 179-9559 |
| OSCILLOSCOPE PROBE, 5MM DIAMETER, 350MHZ 10:1 | 179-9558 |
| OSCILLOSCOPE PROBE, 5MM DIAMETER, 350MHZ 1:1 AND 10:1 SWITCHABLE | 179-9556 |
| OSCILLOSCOPE PROBE, 5MM DIAMETER, 500MHZ 10:1 | 179-9557 |

PASSIVE OSCILLOSCOPE PROBES, 2.5MM Ø



Ergonomically designed passive type probes suitable for use with RS PRO oscilloscopes as well as all major brands. This probe offers a bandwidth of 100MHz to 200MHz and has a fixed attenuation of 10:1 making them ideal for general purpose probing.

| | | |
|---|---------|----------|
| RS-TP 35100 OSCILLOSCOPE PROBE, 2.5MM DIAMETER, 100MHZ 10:1 | 8-18PF | 179-9561 |
| RS-TP 35101 OSCILLOSCOPE PROBE, 2.5MM DIAMETER, 100MHZ 10:1 | 15-25PF | 179-9562 |
| RS-TP 35200 OSCILLOSCOPE PROBE, 2.5MM DIAMETER, 200MHZ 10:1 | 8-18PF | 179-9563 |
| RS-TP 35201 OSCILLOSCOPE PROBE, 2.5MM DIAMETER, 200MHZ 10:1 | 15-25PF | 179-9564 |

RS-SI 9001 & 9010A ACTIVE DIFFERENTIAL PROBES



The RS-SI 9001 allows safe and accurate measurements between two voltage signals that are referenced to each other and has a switchable attenuation of 10:1 and 100:1, 25 MHz bandwidth and ± 700 V maximum differential. The probe can be operated either by 4xAA batteries or by the supplied USB power lead.

| | |
|--|----------|
| RS-SI 9001 ACTIVE DIFFERENTIAL PROBE, 25 | 179-9565 |
| RS-SI 9010A ACTIVE DIFFERENTIAL PROBE, 5 | 179-9566 |

DIFFERENTIAL PROBES



OSCILLOSCOPE PROBE 50MHZ, PROBE TYPE: DIFFERENTIAL, HIGH VOLTAGE 800V

123-6478

OSCILLOSCOPE PROBE 70MHZ, PROBE TYPE: DIFFERENTIAL, HIGH VOLTAGE 1.5KV

123-6479

OSCILLOSCOPE PROBES - STANDARD



OSCILLOSCOPE PROBE 25MHZ, PROBE TYPE: PASSIVE 400V

146-6612

OSCILLOSCOPE PROBE 150MHZ, PROBE TYPE: PASSIVE 600V

146-6613

OSCILLOSCOPE PROBE 15 MHZ, 150 MHZ, PROBE TYPE: PASSIVE 600V

146-6614

OSCILLOSCOPE PROBE 15 MHZ, 150 MHZ, PROBE TYPE: PASSIVE 600V

146-6615

OSCILLOSCOPE PROBE 25 MHZ, 250 MHZ, PROBE TYPE: PASSIVE 600V

146-6616

OSCILLOSCOPE PROBE 25 MHZ, 250 MHZ, PROBE TYPE: PASSIVE 600V

146-6617

OSCILLOSCOPE PROBE 300MHZ, PROBE TYPE: PASSIVE 600V

146-6618

OSCILLOSCOPE PROBE 300MHZ, PROBE TYPE: PASSIVE 1.5KV

146-6622

OSCILLOSCOPE PROBE 300MHZ, PROBE TYPE: PASSIVE 2.5KV

146-6623

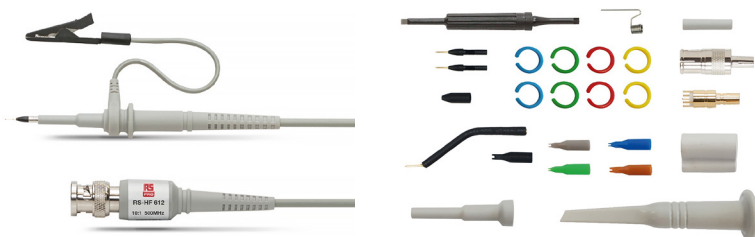
OSCILLOSCOPE PROBE, PROBE TYPE: PASSIVE

146-6624

OSCILLOSCOPE PROBE, PROBE TYPE: PC OSCILLOSCOPE PROBE KIT

146-6626

OSCILLOSCOPE PROBES - MINIATURE



OSCILLOSCOPE PROBE 500MHZ, PROBE TYPE: MINIATURE

146-6619

OSCILLOSCOPE PROBE 500MHZ, PROBE TYPE: MINIATURE

146-6620

BENCH OSCILLOSCOPE ACCESSORIES

Buy this and more at rspro.com
Find out more in the **RS PRO Brandzone**



ICA3000 FLEXIBLE 3000A CURRENT PROBE

The ICA3000 is a great value, flexible probe. It differs from normal clampmeters because it can pass through obstacles at will and wind many conducting wires simultaneously.



Battery:
2 × AA 1.5V Alkaline
(2000mAh)

2 Selectable AC Current Ranges:
300A and 3000A

2 Output Sensitivities:
300mV/A and 1V/A

Operating Environment:
-10 - 50°C, 15% to 85% RH

Dimensions:
130 × 80 × 43mm

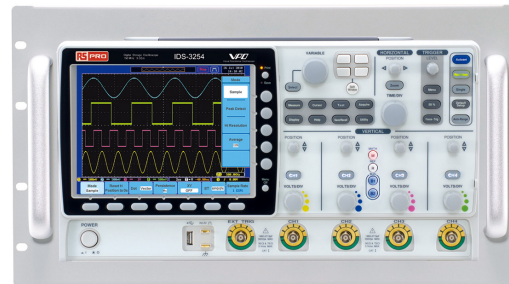
Weight:
430g

ICA3000 CURRENT PROBE

123-2199

OSCILLOSCOPE MOUNTING & HOLDING DEVICE

GRA-411 rack adapter panel for IDS3000 series VPO oscilloscopes.



GRA-411 MOUNTING & HOLDING DEVICE

122-5406

RSDPB4080 DC-50MHZ HIGH VOLTAGE DIFFERENTIAL PROBE

- Bandwidth DC-50MHz
- Max differential test voltage (DC + Peak AC) 10 X: 80V, 100 X: 800V
- Max input common mode voltage (voltage-to-earth Vrms) 800Vrms
- Input impedance single-ended to ground 27MΩ, two inputs 54MΩ
- Input capacitance single-ended to ground <2.3 pF, two inputs <1.2pF
- CMRR: DC >80dB; 100kHz >60dB; 1MHz >50dB
- Propagation delay 18ns ± 1ns
- Power supply 9V DC power
- Probe body dimensions 165 × 69 × 26mm
- Probe body weight approximately 500g



RSDPB4080 HIGH VOLTAGE DIFFERENTIAL PROBE

123-6478

SOFT CARRYING CASES

Carry cases for use with selected RS PRO oscilloscopes, digital storage oscilloscopes and spectrum analysers.

- 122-5407 - For use with IDS200A and IDS3000 series
- 123-6470 - For use with RSDS1000CFL and RSSA3000X series



122-5407



123-6470

GSC008 SOFT CARRY CASE

122-5407

BAGSCC SOFT CARRY CASE

123-6470

RSDPB5150 HIGH VOLTAGE DIFFERENTIAL PROBE

- Bandwidth DC-70MHz
- Max differential test voltage 50 X: 150V, 500 X: 1500V
- Max input common mode voltage 600V CATIII, 1000V CATII
- Overload indicator (red light)
- Overload alarm
- Automatic save
- Offset setting function
- Terminate load 1MΩ
- Power supply USB 5V/1A adapter
- Probe body dimensions 195 × 65 × 28mm
- Probe body weight approximately 188g



RSDPB5150 HIGH VOLTAGE DIFFERENTIAL PROBE

123-6479

BENCH DIGITAL MULTIMETERS

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RSDM3045X DIGITAL MULTIMETER, 4 DIGIT READING RESOLUTION

A highly reliable digital multimeter designed with 4 digits readings resolution and dual-display, ideal for high-precision, multifunction and automatic measurement.



COMMON INFORMATION

Features and Benefits

- Up to 150 rdgs/s measurement speed
- True-RMS AC Voltage and AC Current measuring
- 1Gb Nand flash size, mass storage configuration and data files
- Built-in cold terminal compensation for thermocouple

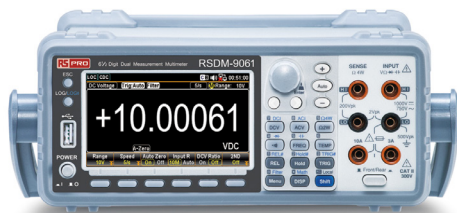
| MODEL | RSDM3045X |
|-----------------------|-------------------------------|
| DC Voltage | 600 mV - 1000V |
| DC Current | 600 μ A - 10A |
| AC Voltage | True-RMS, 600 mV - 750V |
| AC Current | True-RMS, 60 mA - 10A |
| 2/4-Wire Resistance | 600 Ω - 100M Ω |
| Capacitance | 2 nF - 10000 μ F |
| Continuity Test | Range is fixed at 2k Ω |
| Diode Test | Adjustable range is 0-4V |
| Frequency Measurement | 20 Hz - 500kHz |
| Period Measurement | 2 μ s - 0.05s |
| Temperature | Support for TC and RTD sensor |
| Dimensions | 282 x 260 x 105mm |
| Weight | 3.8kg |
| Safety Category | CAT I 1000V CAT II 600V |

RSDM3045X DIGITAL MULTIMETER

188-2476

RSDM-9060 AND RSDM-9061, 6 DIGIT DUAL MEASUREMENT MULTIMETERS

RSDM-9060 and RSDM-9061 are highly accurate and professional multimeters ideal for the measurement of circuit parameters such as voltage, current and resistance. Their sturdy design ensures a durable and reliable meter that is ideal for a permanent fixture on any workbench or system rack.



COMMON INFORMATION

Features and Benefits

- 6 Digit Display: 1,200,000 Counts
- 12 Measurement Functions: DCV, ACV, DCI, ACI, 2-wire and 4-wire Resistance, Frequency, Period, Diode, Continuity, Temperature and Capacitance
- 6 mathematical functions (dB/dBm/Compare/ MX+B/Percent and 1/X)
- USB device/host, RS-232C, LAN, digital I/O and optional GPIB
- Clear and user friendly 4.3" TFT Graphic LCD display

Dimensions

267 x 305 x 107mm; 3.5kg

| MODEL | RSDM-9060 | RSDM-9061 |
|------------------------------------|--|--|
| DCV Basic Accuracy | 0.0075% | 0.0035% |
| Best DC Current Accuracy | ± 0.2 of Reading + 0.02 of Range% | ± 0.2 of Reading + 0.02 of Range% |
| Best AC Current Accuracy | ± 1 of Reading + 0.04 of Range% | ± 1 of Reading + 0.04 of Range% |
| Best DC Voltage Accuracy | ± 0.009 of Reading + 0.006 of Range% | ± 0.009 of Reading + 0.006 of Range% |
| Best AC Voltage Accuracy | ± 4 of Reading + 0.5 of Range% | ± 4 of Reading + 0.5 of Range% |
| Maximum Frequency | 300kHz | 300kHz |
| DC Voltage Measurement Resolution | 0.1 μ V DC | 0.1 μ V DC |
| AC Voltage Measurement Resolution | 0.1 μ V AC | 0.1 μ V AC |
| Capacitance Measurement Resolution | 0.001nF | 0.001nF |
| Temperature Measurement Resolution | 0.002 (Type E, Type J, Type T & Type K) $^{\circ}$ C, 0.003 (Type N) $^{\circ}$ C, 0.01 (Type R, Type S & Type B) $^{\circ}$ C | 0.002 (Type E, Type J, Type T & Type K) $^{\circ}$ C, 0.003 (Type N) $^{\circ}$ C, 0.01 (Type R, Type S & Type B) $^{\circ}$ C |

RSDM-9061

191-9720

RSDM-9060

191-9721

BENCH DIGITAL MULTIMETERS

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Find out more in the **RS PRO Brandzone**



IDM8351 DUAL MEASUREMENT MULTIMETER

Multimeter IDM8351 offers unprecedented functionality plus the fastest measurement speed in its class. The instrument's measurement functions include AC/DC voltage, AC/DC current, AC+DC voltage/current, two-wired and four-wired resistance, continuity beeper, diode test, capacitance, frequency and temperature.



- 120 000-count, VFD display
- Dual measurement, dual display
- Basic precision of DC voltage 0.012%
- Selectable measurement speeds (slow, medium, fast)
- True RMS (AC, AC+DC) measurements
- 12 different measurement functions
- Many auxiliary functions
- Digital I/O (provides dual mode)
- RS-232C and USB device interface as standard

Size & Weight:
265 × 107 × 302mm: 2.9kg

Safety Category:
CAT II 600V

Supplied with:
User manual, driver and software on CD, safety instruction sheet, test lead, power cord

Multimeter Type:
Bench

| | |
|------------------------------------|----------|
| Max AC Current Measurement | 10A AC |
| Max DC Current Measurement | 10A AC |
| Max AC Voltage Measurement | 750V AC |
| Max DC Voltage Measurement | 1000V AC |
| Max Resistance Measurement | 100MΩ |
| Max Capacitance Measurement | 100MΩ |
| Max Temperature Measurement | +300°C |
| Max Frequency | 10kHz |

IDM-8351 DUAL MEASUREMENT MULTIMETER **123-3537**

RSDM3055/RSDM3055A DIGITAL MULTIMETER

The RSDM3055 is a 5-digit multimeter with a dual-readout display. RSDM3055A is of similar specification but, in addition, includes a USB to GPIB adapter.

These models come equipped with a 4.3 inch TFT LCD screen. They feature many powerful math and statistical functions and are designed for users who need high performance together with multiple functions and automatic measurements.



COMMON INFORMATION

Features and Benefits

- Real 5 digit reading resolution
- Up to 150rdgs/s measurement
- True-RMS AC voltage and AC current measuring
- 1GB nand flash size, mass storage configuration files and data files
- Built-in cold terminal compensation for thermocouple temperature measurements
- USB Device, USB Host, LAN (plus GPIB with RSDM3055A only)
- Supports remote control via commands and is compatible with commands of mainstream multimeters
- Includes EasySDM computer software 100/60MHz bandwidths

| MODEL | RSDM3055 | RSDM3055A |
|---|--------------------------|--------------------------|
| Max AC Voltage Measurement | 750V AC | 750V AC |
| Max AC Current Measurement | 10A AC | 10A AC |
| Max DC Voltage Measurement | 1000V DC | 1000V DC |
| Max DC Current Measurement | 10A DC | 10A DC |
| Max Resistance Measurement | 100MΩ | 100MΩ |
| Max Capacitance Measurement | 10mF | 10mF |
| Max Frequency | 1MHz | 1MHz |
| Safety Category Voltage | 600V, 1000V | 600V, 1000V |
| Display Type | LCD | LCD |
| Dimensions; weight | 282 × 260 × 105mm; 3.3kg | 282 × 260 × 105mm; 3.3kg |
| General Purpose Interface Bus (GPIB) Adaptor | Yes | Yes |

RSDM3055 DIGITAL MULTIMETER **123-6465**

RSDM3055A DIGITAL MULTIMETER **123-6466**

RSFG-2000 SERIES FUNCTION GENERATORS



The RSFG-2000 series are a selection of robust and professional function generators offering a range of outputs including sine, square and triangle.

Whatever your needs the RSFG-2000 series has you covered, with devices ranging from basic single channel AFG with pulse generator models to more technical and advanced five-channel models with many offering various modulation methods such as AM/FM/PM/FSK/PWM, Sweep, Burst, Trigger, 150 MHz Frequency Counter.

Each model of the RSFG-2000 series features a built-in pulse generator with an output frequency that reaches 25 MHz. Users can set pulse width, duty cycle, rise edge time, and fall edge time to support trigger signal. Furthermore, each model also features a clear and user-friendly interface with a 4.3 inch TFT colour display that can be easily navigated by users of any level of expertise.



| SPECIFICATIONS / RANGES / MODEL | RSFG-2110 191-9722 | RSFG-2120MA 191-9723 | RSFG-2160MR 191-9724 | RSFG-2230 191-9725 | RSFG-2260M 191-9726 | RSFG-2260MRA 191-9727 |
|---|---|--|---|------------------------------|-------------------------------|--|
| Channels | 10MHz Single Channel | 20MHz Single Channel | 60MHz Single Channel | 30MHz Dual Channel | 60MHz Dual Channel | 60MHz Dual Channel |
| Features | Pulse Generator | Pulse Generator, Modulation, Power Amplifier | Pulse Generator, Modulation, 320MHz RF Signal Generator | Pulse Generator, Modulation | Pulse Generator, Modulation | Pulse Generator, Modulation, 320MHz RF Signal Generator, Power Amplifier |
| Operating temperature Range | 0°C to +40°C | | | | | |
| Maximum Frequency Range Sinewave | 25MHz | | | | | |
| PC Software | Arbitrary Waveform Editing Software (Free Download) | | | | | |
| TTL Output Level | 4V Pk-Pk | | | | | |
| Input Impedance | 10 kΩ | | | | | |
| Interface Type | LAN, USB | | | | | |
| Digital Amplitude and Offset | Yes | | | | | |
| Internal Linear and Log Sweep | Yes | | | | | |
| FM Modulation | Yes | | | | | |
| Time Base Accuracy | ±20ppm | | | | | |
| Attenuation | 20dB | | | | | |
| Dimensions | 266 × 293 × 107mm | | | | | |
| Weight | 2.5kg | | | | | |



DESKTOP SPECTRUM ANALYSERS

The RSSA-9300B analyser is a highly reliable and efficient device used for analysing the frequency spectrum of RF, radio frequency and audio signals. This lightweight yet durable all-purpose analyser provides accurate measurements and is ideal for general signal monitoring requirements. This budget-friendly unit doesn't compromise on quality and is a versatile and essential piece of equipment that covers your testing needs, regardless of application.

This model (RSSA-9300B TG) is also available with a tracking generator feature, which provides a more flexible and highly valuable spectrum analyser, as it allows the device to be used as a scalar network analyser by making circuit response measurements.



COMMON INFORMATION

Features and Benefits

- Built-in reamplifier, 50dB Attenuator, and Sequence Function
- Sensitivity: 149dBm/Hz
- RBW: 1 Hz - 1 MHz
- Built-in AM/FM Demodulation & Analysis
- Built-in Spectrogram, Topographic and Dual-View Display Modes

Battery Type

Li-ion

Remote Control Software

SpectrumShot

| MODEL | RSSA-9300B | RSSA-9300B TG |
|------------------------------------|--|--|
| Bandwidth | 9kHz - 3GHz | 9kHz - 3GHz |
| Wave Traces | Average, Average (EMI), Blank, Clear & Write, Max Hold, Min Hold, Quasi-Peak (EMI), View | Average, Average (EMI), Blank, Clear & Write, Max Hold, Min Hold, Quasi-Peak (EMI), View |
| Sweep Modes | Continuous, Single | Continuous, Single |
| Setting Modes | Zero Span + Time Domain | Zero Span + Time Domain |
| Frequency Range | 9kHz ~ 3GHz | 100kHz ~ 3GHz |
| Frequency Stability | 0.025ppm | 0.025ppm |
| Markers | Frequency | Frequency |
| RF Input | N-Type Female | N-Type Female |
| Interface Type | GPIB, LAN, MicroSD, RS232, USB | GPIB, LAN, MicroSD, RS232, USB |
| Operating Temperature Range | +5°C - +45°C | +5°C - +45°C |
| Dimensions | 350 × 100 × 210mm | 350 × 100 × 210mm |

| | |
|----------------------|-----------------|
| RSSA-9300B | 180-4795 |
| RSSA-9300B TG | 180-4796 |

FUNCTION / ARBITRARY WAVEFORM GENERATORS

The RSDG1032X & RSDG1062X function/arbitrary waveform generators offers a range of excellent features including a 150 MSa/s sampling rate and 14-bit vertical resolution. The proprietary EasyPulse & TrueArb technique helps to solve the weaknesses inherent in traditional DDS generators when generating pulse and arbitrary waveforms, and the special square generator is capable of generating square waveforms up to 30 MHz in frequency with low jitter.

The RSDG6022X function/arbitrary waveform generator offers a range of excellent features including a maximum bandwidth of up to 200 MHz maximum bandwidth, 2.4GSa/s sampling rate and 16-bit vertical resolution. Unlike traditional DDS generators that can produce weak results when generating arbitrary, square and pulse waveforms, the RSDG6022X also includes True Arb & EasyPulse technology to produce far superior results.

COMMON INFORMATION

Features and Benefits

- 4.3" TFT-LCD display
- Sweep and Burst functions
- Harmonics Generator function
- Waveform Combining function
- High precision Frequency Counter



| MODEL | SDG1032X | SDG1062X | SDG6022X |
|---------------------------------------|---------------------------------|---------------------------------|---|
| Maximum Frequency | 30MHz | 60MHz | 200MHz |
| Maximum Sampling Frequency | 150Msps | 150Msps | 2.4Gsps |
| Frequency Triangle Ramps Range | 1µHz - 500kHz | 1µHz - 500kHz | 1µHz - 500kHz |
| Resolution | 1 µHz | 1 µHz | 1 µHz |
| Minimum Pulse Width | 32.6ns | 32.6ns | 3.4ns |
| Arbitrary Waveforms | Yes | Yes | Yes |
| Rise - Fall Time | 4.2 (Square) ns, 22.4 (Pulse) s | 4.2 (Square) ns, 22.4 (Pulse) s | 1 (PRBS) µs, 2 (Pulse) ns, 2.4 (Square) ns, 2.6 (Arbitrary) |
| Sweep | Linear, Logarithmic | Linear, Logarithmic | Linear, Logarithmic |
| Maximum Output Amplitude | 20V Pk-Pk | 20V Pk-Pk | 20V Pk-Pk |
| Dimensions; Weight | 260.3 × 295.7 × 107.2mm; 3.4kg | 260.3 × 295.7 × 107.2mm; 3.4kg | 260.3 × 295.7 × 107.2mm; 3.4kg |

| | |
|------------------|-----------------|
| RSDG1032X | 188-2473 |
| RSDG1062X | 188-2474 |
| RSDG6022X | 188-2475 |

AFG21000 AND AFG21100 SERIES ARBITRARY FUNCTION GENERATORS

Our AFG21000/AFG21100 AFGs use direct digital synthesis (DDS) to generate signals at precise frequencies through a unique memory access and clocking mechanism.

They offer an accurate and affordable signal source covering the output of Sine, Square [Pulse], Ramp [Triangle], Noise and Arbitrary waveforms.

COMMON INFORMATION

Features and Benefits

- Sine, Square, Triangular, Noise and Arbitrary waveforms
- 0.1Hz resolution of Sine, Square and Triangular waveforms
- 20MSa/s sampling rate, 10 bit vertical resolution and 4 Kpts memory
- 1% - 99% adjustable duty cycle for Square waveform
- Waveform parameter setting through numeric keypad entry and knob selection
- Amplitude, DC offset and other key setting information displayed simultaneously on the 3.5in LCD screen
- USB device interface for remote control and waveform editing
- PC arbitrary waveform editing software

Supplied with:

Power cord, test lead, quick start guide, user manual CD



| SPECIFICATIONS / RANGES / MODEL | AFG21005 123-3529 | AFG21012 123-3530 | AFG21025 124-0226 | AFG21105 123-3531 | AFG21112 123-3532 | AFG21125 123-3533 |
|--|--|----------------------|----------------------|---|----------------------|----------------------|
| Maximum Frequency Sinewave | 5MHz | 12MHz | 25MHz | 5MHz | 12MHz | 25MHz |
| Minimum Frequency Sinewave | 0.1Hz | | | 0.1Hz | | |
| Maximum Frequency Square Pulse and Arbitrary Waveform | 5MHz | 12MHz | 25MHz | 5MHz | 12MHz | 25MHz |
| Minimum Frequency Square Pulse and Arbitrary Waveform | 0.1Hz | | | 0.1Hz | | |
| Maximum Frequency Triangle/Saw | 1MHz | | | 1MHz | | |
| Minimum Frequency Triangle/Saw | 0.1Hz | | | 0.1Hz | | |
| AM/FM/FSK Modulation | N | | | Y | | |
| Sweep | N | | | Y | | |
| Frequency Counter | N | | | Y | | |
| Time Base Accuracy | ±20ppm | | | ±20ppm | | |
| Input Impedance | 1kΩ | | | 1kΩ | | |
| Output Amplitude (mV Pk-Pk) | 1 → 10, 2 → 20 (Open Circuit) | | | 1 → 10, 2 → 20 (Open Circuit) | | |
| Output Impedance | >300kΩ (Output Disabled), 50kΩ (Fixed) | | | >300kΩ (Output Disabled), 50kΩ (Fixed) | | |
| Interface Type | USB | | | USB | | |
| Modulation and Counting | - | | | AM/FM/FSK Modulation, Sweep and Frequency Counter | | |
| Dimensions | 266 × 293 × 10mm | | | 266 × 293 × 10mm | | |
| Weight | 2.5kg | | | 2.5kg | | |

AFG21225 TRUE DUAL CHANNEL ARBITRARY WAVEFORM FUNCTION GENERATOR

AFG21225 is a base-level dual-channel arbitrary function generator which offers superior functions in its class.

The two channels are similarly equipped in order to accommodate dual-signal applications such as differential signalling or IQ modulation. They can be used in either independent or correlated (Couple, Tracking, Phase) configuration.

- 1µHz resolution in full range
- Built-in standard 120 MSa/s, 10 bit, 4Kpts arbitrary function for both channels
- True dual-channel output
- Dual-channel supports Couple, Tracking, Phase operations
- 1% - 99% adjustable duty cycle for square waveform
- User-friendly interface for easy parameter setting and parameter display
- Built-in standard AM/FM/PM/FSK/SUM/Sweep/Burst and Frequency Counter
- USB host/device interface for remote control and waveform editing

Size & Weight:

266 × 293 × 107mm: 2.5kg

Supplied with:

Power cord, test leads (x2), user manual CD, quick start guide



| MODEL | 123-3534 |
|---|--------------|
| Frequency Range (Sinewave) | 1µHz - 25MHz |
| Frequency Range Square Pulse and Arbitrary Waveform | 1µHz - 25MHz |
| Time Base Accuracy | ±20ppm |
| Output Impedance | 50Ω |
| Operating Temperature | 0°C - +40°C |

AFG-21225 FUNCTION GENERATOR AND COUNTER 123-3534

AFG3051 FUNCTION GENERATOR

The feature-rich AFG-31000 Series is a flexible signal source designed to meet the diverse requirements of the markets for AWGs.

It features 200MSa/s sample rate, 100MHz repetition rate by true point-by-point edit, 16-bit vertical resolution and 1Mpts waveform length. Stand-out features are user-friendly operation, On Screen Help and multiple ways of arbitrary waveform editing.

Areas of Application

- Industry
- Scientific research
- Education



- Wide frequency range
- 1 µHz frequency resolution throughout full range
- Standard waveforms Sine, Square, Triangle, Ramp, Pulse, Noise
- Built-in AM, FM, PWM, FSK, Sweep and Burst functions
- 16-bit, 200 MSa/s, 1 Mpts deep arbitrary waveform
- Direct Waveform Reconstruction (DWR) capability
- Arbitrary waveform editing PC software
- 4.3 inch, high resolution LCD display
- GPIB, RS-232C, USB host/device standard interfaces

| MODEL | 124-0227 |
|---|-------------------------|
| Maximum Frequency Range Sinewave | 50 |
| Maximum Frequency Range Square Pulse and Arbitrary Waveform | 50 |
| Maximum Frequency Range Triangle/Saw | 1 |
| Output Impedance | 50Ω |
| Output Amplitude | 10mV Pk-Pk → 10 V Pk-Pk |
| Operating Temperature | 0°C - +40°C |
| Interface Type | GPIB, RS-232, USB |
| Dimensions | 265 × 374 × 107mm |
| Weight | 4kg |

AFG-3051 FUNCTION GENERATOR 124-0227

BENCH POWER AND POWER MEASUREMENT

Buy this and more at rspro.com
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RSFR-100 SERIES FANLESS POWER SUPPLIES



Introducing the RSFR-100 Series of Fanless Bench Power Supplies. These compact and high-performance D/C power supplies allow users to work without additional noise being created by the power supply due to the fanless design.



RSFR-100L

180-4806



RSFR-100L+(LAN/GPIB)

180-4807



RSFR-100M

180-4808



RSFR-100M+(LAN/GPIB)

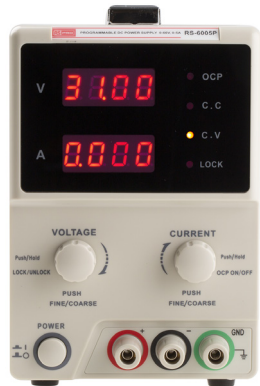
180-4809

| SPECIFICATIONS / RANGES / MODEL | 180-4806 | 180-4807 | 180-4808 | 180-4809 |
|---------------------------------|-------------------|---------------|-------------------|------------------------------|
| Output Voltage | 0 - 50V | 0 - 50V | 0 - 250V | 0 - 250V |
| Output Current | 10A | 10A | 2A | 2A |
| Number of Outputs | 1 | 1 | 1 | 1 |
| Power Rating | 100W | 100W | 100W | 100W |
| Supply Voltage | 85 - 265V AC | 85 - 265V AC | 85 - 265V AC | 85 - 265V AC |
| Number of Displays | 1 | 1 | 2 | 2 |
| Input Connector | RS232, RS485, USB | IEC Type Plug | RS232, RS485, USB | GPIB, LAN, RS232, RS485, USB |
| Output Connector | RS232, RS485, USB | USB | RS232, RS485, USB | GPIB, LAN, RS232, RS485, USB |
| Operating Temperature | 0°C - +40°C | 0°C - +40°C | 0°C - +40°C | 0°C - +40°C |

COMMON INFORMATION

- Constant Power Output for Fivefold Multi-Range(V&I) Operation
- Preset Memory Function
- Output ON/OFF Delay Function
- Adjustable Slew Rate for Voltage and Current
- Bleeder Circuit Control to rapidly discharge and prepare for the next operation
- OVP, OCP, AC FAIL and OTP can be monitored remotely
- Built-in USB and RS-232/485 Interface
Optional LAN+GPIB
- Built-in Web Server Monitoring
- External Analog Control and Monitor Function

DIGITAL BENCH POWER SUPPLIES



This accurate, highly reliable series of 4 single output, digitally control DC power supplies are easy to use, compact and lightweight. All in the range have a simple to read, 4 digit LED display of voltage and current values. These units are ideal for use in various applications, including in production environments, laboratories, colleges and others.

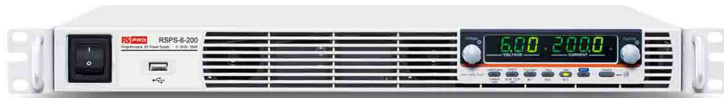


| SPECIFICATIONS / RANGES / MODEL | RS6005P | 175-7365 | RS6005D | 175-7366 | RS3005P | 175-7367 | RS3005D | 175-7368 |
|---------------------------------|---|----------|------------|----------|------------|----------|------------|----------|
| Output Voltage | 60V DV | | 0 → 30V DV | | 0 → 30V DV | | 1 → 30V DV | |
| Output Current | 0 → 5A | | 0 → 5A | | 0 → 5A | | 1 → 5A | |
| No. of Outputs | 1 | | 1 | | 1 | | 2 | |
| Type | Digital | | Digital | | Digital | | Digital | |
| Power Rating | 300W | | 300W | | 150W | | 150W | |
| No. of Displays | 2 | | 4 | | 4 | | 4 | |
| Minimum Temperature | 0°C | | 0°C | | 0°C | | 0°C | |
| Maximum Temperature | 40°C | | 40°C | | 40°C | | 40°C | |
| Supplied with | User manual, Power cord (1.2m, 1 x UK plug & 1 x EURO plug for European market), USB cable, software CD | | | | | | | |

COMMON INFORMATION

- Complete programmable
- Industrial grade, with load for a long time
- Encoder-controlled fine & coarse adjustment
- Intelligent temperature-controlled fan
- Compact design
- Constant current & constant voltage
- Current pre-set
- 4-digit display
- 10mV / 1mA high accuracy and resolution
- Low noise and ripple
- Knob Lock function to avoid improper operation
- Interfaces: USB and RS232
- Input Voltage: 230 V (±10%)
- UK & Euro leads supplied

SWITCHING DC POWER SUPPLIES



These versatile Programmable Switching DC Power Supplies cover a power range of up to 1520W, a combination of 6V to 40V rated voltages and can be connected in a series of 2 units or 4 units in parallel.

The combination of multi-range power and series/parallel connection reduces the cost of power supply products to accommodate projects with different power requirements. CV/CC priority selection protects the DUT from inrush current damage, making possible tasks that would be challenging for a conventional power supply.

The adjustable slew rate enables operators to set for either output voltage or output current, a specific rise time from low to high-level transition, and a specific fall time from high to low-level transition.

| SPECIFICATIONS / RANGES / MODEL | RSPS-6-200 | 201-0441 | RSPS-12.5-120 | 201-0442 | RSPS-20-76 | 201-0443 | RSPS-40-38 | 201-0444 | RSPS-60-25 | 201-0445 |
|---------------------------------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|-----------------|----------|
| Output Voltage | 0 → 6V | | 0→12.5V | | 0→20V | | 0→40V | | 0→60V | |
| Output Current | 0 → 200A | | 0→120A | | 0→76A | | 0→25A | | 0→200A | |
| Number of Outputs | 1 | | 1 | | 1 | | 1 | | 1 | |
| Output Power Rating | 1200W | | 1500W | | 1520W | | 1520W | | 1500W | |
| Input Connector | LAN, RS232, USB | | LAN, RS232, USB | | LAN, RS232, USB | | LAN, RS232, USB | | LAN, RS232, USB | |
| Operating Temperature | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | | 0°C - +50°C | |

COMMON INFORMATION

- Available in a compact 19" rack mount size design for easy storage without taking up valuable space
- The large backlit LCD panel includes output and parameter views
- CV / CC constant voltage and constant current modes, which is particularly useful for applications within the battery and LED industries
- OVP (over-voltage protection) and OCP (over-current protection) protection from unexpected conditions
- Built-in analogue, LAN, USB, RS-485 and RS-232 interface giving greater flexibility for use
- High efficiency and high-power density
- Series and Parallel Operation (2 Units in Series/4 Units in Parallel Maximum) for added functionality across a range of applications

IPS SERIES LINEAR DC POWER SUPPLIES



With cutting edge technology at a keen price, the IPS series multiple output programmable linear DC power supplies offer a choice of models between 2, 3 and 4 independent output channels, supporting a maximum output from 180W to 195W.

The power supplies include four sets of memory for voltage and current setting, a USB remote interface, high resolution (IPS-2303S, IPS-3303S & IPS-4303S) and intelligent fan control to reduce noise.



| SPECIFICATIONS / RANGES / MODEL | IPS3558 | 123-3558 | IPS3559 | 123-3559 | IPS3560 | 123-3560 | IPS3561 | 123-3561 |
|---------------------------------|-------------------------|----------|-----------------------|----------|-----------------------|----------|----------------------|----------|
| Power Rating | 180W | | 195W | | 195W | | 195W | |
| Type | Digital | | Digital | | Digital | | Digital | |
| Number of Displays | 4 | | 4 | | 4 | | 4 | |
| Minimum Temperature | 0°C | | 0°C | | 0°C | | 0°C | |
| Maximum Temperature | +40°C | | +40°C | | +40°C | | +40°C | |
| Output Connector | Banana Plugs | | Banana Plugs | | Banana Plugs | | Banana Plugs | |
| Output Voltage | 2 × 0 → 30V | | 2 × 0 → 30V, 2.5 → 5V | | 2 × 0 → 30V, 2.5 → 5V | | 0 → 5V, 2 × 0 → 30V | |
| Output Current | 2 × 0 → 3A | | 3 × 0 → 3A | | 3 × 0 → 3A | | 0 → 1, 3 × 0 → 3A | |
| Supply Voltage | 100 → 230V AC | | 100 → 230V AC | | 100 → 230V AC | | 100 → 230V AC | |
| Number of Outputs | 2 | | 3 | | 3 | | 4 | |
| Category | Bench power supplies | | Bench power supplies | | Bench power supplies | | Bench power supplies | |
| Size | 210 × 130 × 265mm | | 210 × 130 × 265mm | | 210 × 130 × 265mm | | 210 × 130 × 265mm | |
| Weight | 7kg | | 7kg | | 7kg | | 7kg | |
| Supplied with | User manual, power cord | | | | | | | |

COMMON INFORMATION

- 2, 3 or 4 independent isolated outputs (depending on choice of model)
- 4 LED display sets - 3 digits after decimal point (IPS-2303S, IPS-3303S & IPS-4303S)
- Minimum resolution 1mV / 1mA (IPS-2303S, IPS-3303S & IPS-4303S), 100mV / 10mA (IPS-3303D)
- Digital panel control (rotary encoder switch, rubber key with indicator)
- User-friendly operation, Coarse / Fine volume control
- 4 sets memory Save / Recall
- Key lock
- Output On / Off
- Tracking series and parallel modes
- Smart cooling fan for low noise
- PC software and USB driver
- USB standard interface

BENCH POWER AND POWER MEASUREMENT

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RS-D3305P SERIES BENCH POWER SUPPLY

The RS-D3305P is a high-quality, versatile piece of equipment that can be used for a variety of applications and can be bought as a non-calibrated or calibrated (RS Calibration or UKAS Calibration) machine. This bench power supply is of an industrial grade which allows to work for long periods of time, without compromising the quality of the tests that are being run.



- Low noise and ripple feature that allows for greater clarity and less noise in the working environment
- Complete programmable allowing users to self-define voltage and current under rated power conditions to satisfy them with wider voltage and current operational ranges

| MODEL | RS-D3305P |
|--------------------|-----------------------------------|
| Output Voltage | 0 - 30V |
| Output Current | 0 - 5 (Adjustable) A, 3 (Fixed) A |
| Number of Outputs | 3 |
| Supply Voltage | 230V |
| Number of Displays | 1 |
| Input Connector | IEC 320-C14 |
| Output Connector | LAN, RS232, USB |
| Dimension; Weight | 146×252×375mm; 10.38kgs |

RS-D3305P **180-8785**

RS-A3305P SERIES BENCH POWER SUPPLY

An essential piece of equipment, the RS-A3305P is a high-performance D/C power supply which allows users to work without additional noise, due to the low noise level and ripple function. Work for long periods of time, without compromising the quality of tests with this industrial grade DC power supply.



- 5 sets of parameters can be stored and recalled for frequent testing
- 100 sets of stored parameters inside for programmable recall
- The remote measurement terminal compensates the voltage drop of the wire

| MODEL | RS-A3305P |
|--------------------|-----------------------------------|
| Output Voltage | 0 - 30V |
| Output Current | 0 - 5 (Adjustable) A, 3 (Fixed) A |
| Number of Outputs | 3 |
| Supply Voltage | 230V |
| Number of Displays | 1 |
| Input Connector | IEC 320-C14 |
| Output Connector | RS232, USB |
| Dimensions; Weight | 380×250×145mm; 9.4 kg |

RS-A3305P **180-8786**

IPS303DD DIGITAL BENCH POWER SUPPLY

Our IPS303DD is a single output, 90W linear DC power supply. It features overload and reverse polarity protection (maintained at 0.01%) and low ripple/noise (maintained at <1 mVrms). Continuous or dynamic internal load selection accommodates applications such as pulsed current.



A remote control terminal offers programming and operation from an external device.

- 0.01% high regulation
- Constant voltage and constant current operation
- Remote control for external programming
- Internal select for continuous or dynamic load
- Low ripple and noise
- Overload and reverse polarity protection
- Series or parallel operation
- Power source AC 100 V / 120 V / 220 V / 240 V ±10%, 50 / 60 Hz
- Light and compact design

Dimensions:
128 × 145 × 285mm

Supplied with:
User manual, power cord, test lead

| MODEL | IPS-303DD |
|-----------------------|------------------------|
| Output Voltage | 0 - 30V DC |
| Supply Voltage | 100 - 240V AC |
| Output Current | 0 - 3A |
| Power Rating | 90W |
| Output Connector | Plug-In terminal block |
| Number of Outputs | 1 |
| Number of Displays | 2 |
| Operating Temperature | 0°C - +40°C |

IPS-303DD DIGITAL BENCH POWER SUPPLY **123-3564**

BENCH POWER AND POWER MEASUREMENT

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RSPM-8213 AC POWER METER

A highly accurate power meter specifically designed for the measurement of single-phase (1P/2W) AC power units.

This versatile meter provides a diverse measurement of items and functions, including voltage, current, frequency, active power, apparent power, reactive power, power factor, crest factor, and total harmonic distortion.

The meter also incorporates two data display modes consisting of a standard display and a simple display, depending on the type of application required.



- 4" TFT LCD five-digit measurement display
- Perfect for single-phase (1P/2W) AC power supply's power measurements
- Basic accuracy : $\pm(0.1\%$ of reading + 0.1% of range)
- Front panel test terminal
- Standard interfaces: RS-232C, USB Device, LAN
- Optional test fixture : GPM-001
- Standard display: displaying two major measurement items + six minor measurement items
- Simple display: displaying test data of four different measurement items
- Voltage/current test frequency : DC ~ 6 kHz
- Watt resolution: 1 mW
- Current/Voltage Resolution : 0.1 A
- Current/Voltage measurements reach CF=3 for distorted wave and CF=6 for half range
- W-h power vs time/A-h current vs time integration function
- Total harmonic distortion measurement

| MODEL | RSPM-8213 |
|--|---------------------------------|
| Absolute Maximum Power Measurement | 2W |
| Absolute Maximum AC Current Measurement | 20A AC, 200mA AC |
| Absolute Maximum DC Current Measurement | 20A DC, 200mA DC |
| Absolute Maximum DC Voltage Measurement | 300V DC, 600V DC |
| Best DC Voltage Accuracy | 0.1 of Reading + 0.1 of Range % |
| Best DC Current Accuracy | 0.1 of Reading + 0.1 of Range % |
| Dimensions; Weight | 270 x 350 x 110mm; 2.9kg |
| Power Source | Mains |

RSPM-8213

180-4805

RSAS-2050 COMPACT PROGRAMMABLE AC/DC POWER SUPPLY

The RSAS-2050 provides both rated power output for AC output and rated power output for DC output of up to 999.9 Hz.

The high-quality unit also provides users with waveform output capabilities to meet the test requirements of different electronic component development, automotive electrical devices and home appliances, ensuring that it is flexible and functional across a wide range of test and measurement applications.

In addition to this, the remote sense function ensures accurate voltage output, while OVP, OPP and OCP levels can be selected and, when tripped, will cause power output to be switched off to protect the DUT.



- The large backlit LCD panel includes output and parameter views
- The customized phase angle for Output On/Off function can set the starting angle and ending angle of the voltage output according to the test requirements
- OVP (over-voltage protection), OCP (over-current protection) and OPP (over-power protection) protection from unexpected conditions and protect the DUT during testing
- The unit also incorporates a fan fail alarm function and AC fail alarm function
- Built-in I/O, USB and LAN interface offer greater flexibility for use
- A universal socket is provided on the front panel to allow users to plug and go, saving valuable installation time

| MODEL | RSAS-2050 |
|--|--|
| Absolute Maximum Power Measurement | 2W |
| Absolute Maximum AC Current Measurement | 20A AC |
| Power Source | Mains |
| Dimensions; Weight | 285 x 124 x 480mm (not including protrusions) ; 11.5kg |

RSAS-2050

201-0451

BENCH BENCH POWER AND POWER MEASUREMENT

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RSPEL-3032E PROGRAMMABLE D.C. ELECTRONIC LOAD

This RSPEL-3032E programmable single channel DC electronic load is a versatile device ideal for testing a range of power supplies. The highly reliable electronic load features high speed and accurate measurement, offering excellent measurement capability for an electronic component, battery, portable charger and power supply that requires low to medium power consumption.



The RSPEL-3032E offers seven operating modes, providing you with a range of options depending on the application required. Another excellent feature is the soft start function that not only allows monotonic increasing of output voltage, but also prevents inrush current and surge voltage from happening on DUT.

- 2.5-500V Min. Operating Voltage(DC): 2.5V at 15A, 1.25V at 7.5A
- 7 Operating Modes: CC, CV, CR, CP, CC+CV, CR+CV, CP+CV
- Normal Sequence Function: Max Steps: 1000 steps/Step Time: 1 ms~999h 59min 59s (3599940 sec) Fast Sequence Function: Max Steps: 1000 steps/Step Time: 25 us~600 ms
- Soft Start
- BATT Test Automation: Max Test Time: 999h: 59min 59s (3599940sec): Max Test AH:9999.99Ah
- OCP, OPP Test Automation
- Max. Slew Rate: 2.5A/s
- Dynamic Mode
- Protection: OVP, OCP, OPP, OTP, RVP, UVP
- Remote Sense
- Integrate Voltage, Current and Power Measurement Functions
- External Voltage or Resistance Control
- Rear Panel BNC, Trigger IN/OUT
- Analog External Control
- USB/GPIB (Optional)

| MODEL | RSPEL-3032E |
|--------------------------------|----------------------------------|
| Load Type | Programmable |
| Constant Wattage Mode Range | 0 - 300W, 0 - 306W |
| Constant Voltage Mode Range | 0 - 510V, 2.5 - 500V |
| Constant Current Mode Range | 0 - 15A, 0 - 15.3A |
| Constant Resistance Mode Range | 0.16666Ω to 5kΩ, 1.6666Ω to 50kΩ |

RSPEL-3032E

180-4794

RS-KEL103 SINGLE CHANNEL ELECTRONIC LOAD

The RS-KEL103 single channel electronic load from RS PRO, is a highly reliable device ideal for testing a range of power supplies, ensuring they meet standard safety and compliance standards.



The unit features 4 working modes CV (constant voltage), CC (constant current), CR (constant resistance), CW (continuous wave), making it ideal for general purpose measurement on a range of power supplies. It offers flexibility when testing and loading power sources, allowing to sink various levels of power profiles in the multiple modes. This reliable device also features a short circuit function, which is ideal for power and automated testing. The RS-KEL103 load features a clear and user friendly interface, allowing you to clearly navigate the device with USB, RS232 & LAN capabilities.

- Dynamic mode: up to 10kHz
- Resolution of voltage and current: 0.1mV/0.1mA
- 4 working modes: CV/CC/CR/CW
- Remote sensing function
- Battery test, automatic test, OPP test, OCP test functions
- 100 sets of storage
- Short circuit function
- Power off memory function
- Interfaces: USB, RS232 & LAN

| MODEL | RS-KEL103 |
|--------------------------------|--------------|
| Load Type | Programmable |
| Constant Wattage Mode Range | 0 - 300W |
| Constant Voltage Mode Range | 0 - 120V |
| Constant Current Mode Range | 0 - 30A |
| Constant Resistance Mode Range | 0.05 - 7.5kΩ |
| Rack Units | 386mm |

RS-KEL103

180-8788



RSBM-3000 SERIES OHMMETER BATTERY TESTERS

The RSBM-3000 series of ohmmeters, are a range of highly accurate and powerful desktop battery testers used for measuring electrical resistance, expressed in ohms. These ohm meters use AC 1kHz as the test signal, allowing you to measure battery voltage and internal resistance to 300 V with accuracy.



This range features a clear and user-friendly interface including a 3.5 inch TFT LCD display screen, durable navigation buttons, test terminal and a USB host. Data from the measurement process can be stored and transferred to a computer via a flash drive for further analysis, without being limited to the connection with the computer.

- Basic Accuracy For Voltage Measurement : 0.01%
- Basic Accuracy For Resistance Measurement : 0.5%
- Measurement Resolution up to 0.1 $\mu\Omega$ and 10 μV , Suitable For Single-cell Measurement
- Independent Go/NoGo Determination Function For Voltage and Resistance Respectively
- The Judgment Mechanism of Test Lead (Probe) Disconnect / Contact Failure is to Ensure The Measurement Reliability

| MODEL | RSBM-3300 | RSBM-3080 |
|--|--------------------------------------|--------------------------------------|
| Battery Type | 300V | 80V |
| Measurement Items | DC Voltage and AC Resistance | DC Voltage and AC Resistance |
| Maximum Resistance Measurement | 3.2k Ω | 3.2k Ω |
| Resistance Measurement Resolution | 100n Ω | 100n Ω |
| Measurement Type | 4 Wire | 4 Wire |
| Maximum Accuracy | 0.5% | 0.5% |
| Standard Interfaces | USB Host/Device, RS-232C and Handler | USB Host/Device, RS-232C and Handler |
| Power Source | Mains | Mains |
| Dimensions; Weight | 264 x 309 x 107mm; 2.8kg | 264 x 309 x 107mm; 2.8kg |

RSBM-3300

180-4810

RSBM-3080

180-4811

R-100 RESISTANCE DECADE BOX

Designed to measure the resistance of electric current through an electrical conductor, the R-100 Resistance decade box offers 7 decades of resistance ranging from 1 to 11M Ω and is suitable for a wide range of product design, and prototyping applications or calibration and troubleshooting tasks.



- This RS PRO decade box has been specifically designed to measure the resistance of an electrical current using 7-decade ranges of resistance with accuracy and reliability
- The heavy-duty construction of the box makes the device ultra-durable and ideal for working in the field or harsh environments
- It offers a separate grounding terminal and the three binding posts permit isolated substitutions
- The resistance range of the box is from 1 to 11 Ω in 1 Ω increments
- Powered by 0.3W resistors, this decade resistance box ideal for a wide range of applications

| MODEL | R-100 |
|---|-----------------------|
| Decade Box Type | Resistance |
| Best Maximum Resistance Accuracy | 1% |
| Power Rating | 0.3W |
| Operating Temperature | 0°C - +500°C |
| Dimensions; Weight | 14 x 13.1 x 3cm; 295g |

R-100

193-8686

LCR6000 SERIES HIGH PRECISION LCR METER



The compact LCR6000 series meters feature a 0.05% basic accuracy, 2U half-rack size and large (3.5 inch) colour LCD. Measurement efficiency is increased by the simultaneous display on screen of not only setting criteria and measured results but also two additional monitoring parameters. The measurement results include a Pass/Fail display for fast validation.

Operators can freely change frequency, within the range of the model, so can save the time and hassle of repeating zero operations. Four models are available in this guide according to the test frequency range required.



| SPECIFICATIONS / RANGES / MODEL | LCR-6002 | 117-6718 | LCR-6020 | 117-6717 | LCR-6100 | 117-6716 | LCR-6200 | 117-6715 |
|--|---|----------|-------------------|----------|-------------------|----------|-------------------|----------|
| Maximum Test Frequency | 2kHz | | 20kHz | | 100kHz | | 200kHz | |
| Maximum Inductance Measurement | 9999.99H | | 9999.99H | | 9999.99H | | 9999.99H | |
| Maximum Resistance Measurement | 99.9999MΩ | | 99.9999MΩ | | 99.9999MΩ | | 99.9999MΩ | |
| Maximum Capacitance Measurement | 9999.99mF | | 9999.99mF | | 9999.99mF | | 9999.99mF | |
| Display Type | 3.5inch LCD | | 3.5inch LCD | | 3.5inch LCD | | 3.5inch LCD | |
| Power Source | Mains | | Mains | | Mains | | Mains | |
| Bench/Handheld | Bench | | Bench | | Bench | | Bench | |
| Dimensions | 265 × 312 × 107mm | | 265 × 312 × 107mm | | 265 × 312 × 107mm | | 265 × 312 × 107mm | |
| Weight | 3kg | | 3kg | | 3kg | | 3kg | |
| Areas of application | Research & Development, Production test, Component assessment, IQC for verification on component specifications | | | | | | | |
| Supplied with | Safety instructions, power cord, test fixture LCR-06A, CD (user manual, PC software) | | | | | | | |

COMMON INFORMATION

- Consecutive Test Frequency
- Measuring speed up to maximum 25ms
- Full frequency range or spot OPEN/SHORT
- 16 major/secondary parameter measurement combinations and 2 additional monitoring parameters (maximum 4 different parameters can be shown simultaneously)
- DCR measurement and internal DC bias voltage ($\pm 2.5V$)
- Auto Level Control (ALC) function
- BIN function provides 9BIN and 1AUX
- 10 points listed test function to select different frequency, voltage and current criteria
- RS-232C, Handler and USB storage interfaces



RSST-2000 SERIES ELECTRICAL SAFETY ANALYSERS

The RSST-2000 Series is the world's first safety analyser to comply with IEC 61010-2-034. The range has four models to choose from, each catering for a wide range of applications and features for greater functionality, as well as an output capacity of 200VA. The analysers use a high-efficiency PWM amplifier to effectively exclude the influence from the fluctuating input voltage or distorted waveforms to ensure a stable high-voltage output while conducting AC withstanding voltage test on the DUT to meet safety regulations. When convenience and precision is required in electrical safety applications, this range of RS PRO testers sets a reliable standard.



| MODEL | RSST-2001 | RSST-2002 | RSST-2003 | RSST-2004 |
|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Test Voltage Range | 50V - 1200V | 50V - 1200V | 50V - 1200V | 50V - 1200V |
| Display Type | TFT LCD | TFT LCD | TFT LCD | TFT LCD |
| Power Source | Mains | Mains | Mains | Mains |
| Safety Category Level | CAT I | CAT I | CAT I | CAT I |
| Plug Type | Mains | Mains | Mains | Mains |
| Dimensions; Weight | 380 x 148 x 436mm; 11kg | 380 x 148 x 436mm; 12kg | 380 x 148 x 436mm; 13kg | 380 x 148 x 454mm; 15kg |

| | |
|---|-----------------|
| RSST-2001 AC ELECTRICAL SAFETY ANALYSER | 201-0446 |
| RSST-2002 AC/DC ELECTRICAL SAFETY ANALYSER | 201-0448 |
| RSST-2003 AC/DC/IR ELECTRICAL SAFETY ANALYSER | 201-0449 |
| RSST-2004 AC/DC/IR/GB ELECTRICAL SAFETY ANALYSER | 201-0450 |

RM804/805 SERIES HIGH PRECISION PROGRAMMABLE DC MILLI-OHM METERS



Our RM804/805 series DC milli-ohm meter models offer handler, RS-232C and USB device interfaces (RM804, 122-5158) plus option 01 GPIB (RM804-01, 122-5157) or standard GPIB (RM805, 122-5156).

Model RM-805 also offers drive modes DC+/DC-, pulsed, PWM, zero, for measurement applications on different materials.

COMMON INFORMATION

- 50 000-count
- 3.5 inch (320 x 240) TFT LCD display
- High accuracy, 0.05% precision
- 1 A test current, 1 $\mu\Omega$ resolution
- Fast measurement, 60 readings per second
- Four wire resistance measurement
- Temperature compensation measurement function
- Delayed measurement
- 20 sets of panel setting memory
- Interface - USB device, RS-232C, Handler/Scan/EXT I/O, and GPIB (option)

| MODEL | RM-805 | RM-804-01 | RM-804 |
|--|-------------------|-------------------|-------------------|
| Maximum Resistance Measurement | 5M Ω | 5k Ω | 5M Ω |
| Resistance Measurement Resolution | 1 $\mu\Omega$ | 1 $\mu\Omega$ | 1 $\mu\Omega$ |
| Power Source | Mains | - | Mains |
| Measurement Type | 4 Wire | - | 4 Wire |
| Maximum Accuracy | +0.2% | - | +0.2% |
| Minimum Accuracy | 0.05% | - | 0.05% |
| Operating Temperature | -50°C - +399.9°C | - | -50°C - +399.9°C |
| Handheld | Yes | - | Yes |
| Dimensions | 223 x 102 x 283mm | 283 x 102 x 223mm | 223 x 102 x 283mm |
| Weight | 4kg | 3kg | 4kg |

| | |
|---|-----------------|
| RM-805 HIGH PRECISION PROGRAMMABLE DC MILLIOHM METERS | 122-5156 |
| RM-804-01 HIGH PRECISION PROGRAMMABLE DC MILLIOHM METERS | 122-5157 |
| RM-804 HIGH PRECISION PROGRAMMABLE DC MILLIOHM METERS | 122-5158 |

ENVIRONMENTAL AIR & GAS MEASUREMENT

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METHANE GAS LEAK DETECTORS

The MICRO combustible gas leak detector is a gas leak locating tool. It is used to identify the presence of and isolate the source location of combustible gasses such as methane, propane, butane, ammonia, carbon dioxide and many more.

It detects gas concentrations by using an internal sensor and indicates the presence of combustible gasses with visual, audio and vibration feedback mechanisms.

It can detect different combustible gas concentration 1 ppm to 1000 ppm or 0-10000ppm by setting high and low concentration detection.



| MODEL | 144-5342 | 144-5341 | MODEL | 144-5342 | 144-5341 |
|-----------------------|----------------------|----------------------|----------------------|----------------|-----------------|
| Gases Detected | Methane | Methane | Audible Alarm | Yes | Yes |
| Response Time | 2s | 2 s | Visual Alarm | Yes | Yes |
| Application | Combustion Appliance | Combustion Appliance | Power Source | Battery | Battery |
| Meter Type | Handheld | Handheld | Battery Type | Li-Ion Polymer | Li-Ion Polymer |
| Display Type | LED | LCD | | | |
| LED | | | | | 144-5342 |
| LCD | | | | | 144-5341 |

6 IN 1 HANDHELD PARTICLE COUNTER AND GAS DETECTOR



- 2.8" TFT Colour LCD display, 320*240 pixels
- Images (JPEG) & Video (3GP)
- Micro SD (max, use 8GB) memory card
- Simultaneously measure and display 6 channel of particle sizes.
- HCHO detectors
- TVOC detectors
- CO2 detector
- Air temperature and humidity
- Dewpoint & Wetbulb temperature
- MAX, MIN, DIF, AVG record, Date/time setup controls

| MODEL | 174-6576 |
|---------------------------|-----------------------|
| Accuracy | ±0.5 %, ±2.5 %, ±5 % |
| Display Type | TFT LCD |
| Audible Alarm | Yes |
| Power Source | Battery |
| Battery Type | Rechargeable NiMH |
| Dimensions; Weight | 240 × 57 × 75mm; 570g |

SIX IN 1 PARTICLE COUNTER **174-6576**

PARTICLE MASS CONCENTRATION AND CO2 MONITORS

This meter measures AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Frequency (electrical & electronic), Duty Cycle, Diode Test, Insulation Test, and Continuity plus Thermocouple Temperature. It can store and recall data. It features a waterproof, rugged design for heavy duty use. Proper use and care of this meter will provide many years of reliable service.



| MODEL | 174-6575 | 174-6574 | MODEL | 174-6575 | 174-6574 |
|-----------------------|--------------------|------------------|---------------------|-------------------|-------------------|
| Gases Detected | Carbon Dioxide | Carbon Dioxide | Battery Type | Rechargeable NiMH | Rechargeable NiMH |
| Accuracy | ±1 %, ±3.5 %, ±5 % | ±1 %, ±3 %, ±5 % | Weight | 360g | 210g |
| Display Type | LCD | LED | Width | 73mm | 48mm |
| Audible Alarm | Yes | Yes | Length | 85mm | 110mm |
| Power Source | Battery | Battery | Height | 160mm | 100mm |

PARTICLE AND CO² **174-6575**
CO² **174-6574**

ENVIRONMENTAL AIR & GAS MEASUREMENT

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DT-3893 & DT-8880 THERMO-ANEMOMETERS



These high-quality vane anemometers have been designed for the measurement of air velocity, airflow as well as air temperature and provide rapid, accurate readings without compromising on quality or performance. They are equipped with a large, easy to read backlit LCD display to allow for quick and easy readings, even in low light conditions making this meter ideal for engineers, service technicians and scientists.

The RS-3893 is a fantastic anemometer which uses a high precision rotating sensor to deliver precise readings, even at low wind speeds, as well as simultaneously measuring the air temperature with the built-in NTC thermistor.

The RS-8880 uses a high precision probe to deliver precise readings, even at low wind speeds. It can also simultaneously measure the air temperature with a built-in thermistor.



| SPECIFICATIONS / RANGES / MODEL | DT-3893 | 193-8696 | DT-8880 | 193-8699 |
|--|-------------------------------------|----------|-------------------------------------|----------|
| Measurement Parameters | Air Flow, Air Velocity, Temperature | | Air Flow, Air Velocity, Temperature | |
| Maximum Air Velocity | 30m/s | | 25m/s | |
| Best Air Velocity Accuracy | ±3 % | | ±5 % | |
| Air Velocity Resolution | 0.01m/s | | 0.01m/s | |
| Best Temperature Measurement Accuracy | ±2°C | | 1°C | |
| Power Source | Battery, 9V | | Battery, Rechargeable | |
| Dimensions; Weight | 62 × 21 × 160mm; 200g | | 210 × 75 × 50mm; 280g | |
| Operating Temperature | 0°C - 50°C | | 0°C - 50°C | |

COMMON INFORMATION

- A high-quality and robust design that offers accurate and reliable results and can be used across a variety of applications
- Hand-held wind-speed measurement instrument with user-friendly, easy to use control keys
- Precision air velocity for precision measurement, even at low wind speeds and built-in NTC thermistor sensors that can simultaneously measure air temperature
- Air velocity can be displayed in the following units: m/s, km/h, ft/min, MPH and knots
- Airflow can be displayed in the following units: CMM (cubic meters/min) and CFM (cubic feet/min)
- Air temperature can be displayed in °C or °F
- Dual-line 4-digit LCD display for easy and clear reading of the measuring data
- Backlight function to enable use in low-light conditions for added versatility
- Auto power-off function after 20 mins to preserve battery life for longer
- This unit can also be calibrated to RSCAL and ISOCAL standards
- Supplied with a replaceable 9V battery, Anemo probe and gift box with carrying case

USB-3 VOLTAGE DATA LOGGER



USB-3 VOLTAGE DATA LOGGER

179-9537

Maximum Voltage Measurement 30V DC, USB, Battery Powered

This high-quality standalone unit can measure and store up to 32,000 readings over a 0 to 30V DC range at a resolution of 50mV DC. It can easily be set up to view the data by using the built in USB interface, making it easy to access the measured data in situ or later for review.

FEATURES AND BENEFITS:

- This voltage data logger has a measurement range of 0 to 30V DC at a resolution of 50mV DC
- Stores over 32,000 voltage readings
- Software available as a free download
- Logging rates between 10 seconds and 12 hours
- Battery powered with an expected life of around 2 years

INCLUDED IN THE BOX:

- PRO-USB-3
- Battery 0 to 30V DC
- Range Cap
- Measurement Leads
- Mounting Bracket

USB-2 TEMPERATURE AND HUMIDITY DATA LOGGER



USB-2 TEMPERATURE AND HUMIDITY DATA LOGGER

179-9536

Maximum Temperature Measurement +176°F, +80°C, USB, Battery Powered, IP67, Humidity Measurement

The USB-2 data logger will store up to 16,000 readings from -35 - 80°C and 0 to 100%RH and is also IP67 rated, making it resistant against water, dust and debris. The unit is compact, portable and incredibly versatile and can easily be set up to view the data by using the built in USB interface, making it easy to access the measured data in situ or later for review.

FEATURES AND BENEFITS:

- Stores over 16,000 temperature readings
- Software available as a free download
- Logging rates between 10 seconds and 12 hours
- IP67 rated
- Battery powered with an expected life of around 2 years
- RS CAL calibration available 179-9542
- UKAS CAL calibration available 179-9544

INCLUDED IN THE BOX:

- PRO-USB-2
- Battery
- Mounting Bracket

USB-1 TEMPERATURE DATA LOGGER



USB-1 TEMPERATURE DATA LOGGER

179-9535

Maximum Temperature Measurement +176°F, +80°C, USB, Battery Powered, IP67

The USB-1 data logger will store up to 16,000 readings from -35 - 80°C and 0 to 100%RH and is also IP67 rated, making it resistant against water, dust and debris. The unit is compact, portable and incredibly versatile and can easily be set up to view the data by using the built in USB interface, making it easy to access the measured data in situ or later for review.

FEATURES AND BENEFITS:

- Stores over 16,000 temperature readings
- Software available as a free download
- Logging rates between 10 seconds and 12 hours
- IP67 rated
- Battery powered with an expected life of around 2 years
- RS CAL calibration available 179-9539
- UKAS CAL calibration available 179-9540

INCLUDED IN THE BOX:

- PRO-USB-1
- Battery
- Mounting Bracket

ENVIRONMENTAL DATA ACQUISITION AND LOGGING

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Find out more in the **RS PRO Brandzone**



HIGH ACCURACY CLOUD-CONNECTED TEMPERATURE DATA LOGGER

RS PRO High Accuracy Thermistor Probe Cloud-Connected Temperature Data Logger Kit is highly accurate, reliable, high quality and flexible. RS PRO High Accuracy Thermistor Probe Cloud-Connected Temperature Data Logger Kit has been designed to monitor temperature in a large range of applications, using 75mm length barrel temperature probes on 3m cables. Ideal for monitoring locations perhaps difficult or inhospitable to the data logger, the device is ideal for monitoring refrigeration or storage units.



| | |
|---|----------|
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0571 |
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0564 |
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0566 |
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0558 |
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0560 |
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0568 |
| TEMPERATURE DATA LOGGER, WI-FI, BATTERY POWERED, IP67 | 172-0562 |

RS-172 HUMIDITY, TEMPERATURE DATA LOGGER



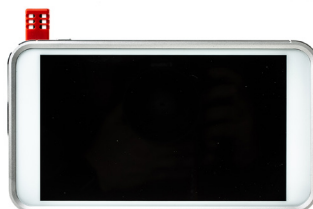
- High accuracy
- Fast response and stability
- Memory 32700 values
- LCD
- Download collected data through PC's USB
- Alarm display
- Analysis software used to view graph for logging data

RS-172 HUMIDITY, TEMPERATURE DATA LOGGER **146-9091**

RS-172TK HUMIDITY, TEMPERATURE DATA LOGGER **146-9089**

LABORATORY TEMPERATURE AND RH DATA LOGGER

- Smart home, App software support
- Temperature and Humidity measuring
- High accuracy measurement
- Graphical/digital interface
- Multi function menu interface, content-rich, interactive
- Large high-resolution colour LCD display, 1024x600
- Touch screen operation, zoom in/out curve
- High and low temperature alarm, and review the value of alarm



HIGH ACCURACY CLOUD-CONNECTED TEMPERATURE DATA LOGGER



Environment test meters provide multi-functions and help to monitor the environment around us, to make sure we can have a better and healthier life, also to ensure our working environment safer and work more efficiently.

RS-91 HUMIDITY, TEMPERATURE DATA LOGGER **155-8900**

| MODEL | RS-1700 | MODEL | RS-1700 |
|------------------------------------|---------|---------------------------------------|------------------|
| Number of Input Channels | 1 | Best Temperature Measurement Accuracy | ±1 °C, ±1.8 °F |
| Maximum Humidity Measurement | 100%RH | Dimensions | 115 × 18 × 180mm |
| Best Humidity Measurement Accuracy | ±3 %RH | Battery Type | Li-ion |
| Maximum Temperature Measurement | +80 °C | | |

RS-1700 **146-9099**



IM-195 FIELD EMISSION DETECTOR

This three axis RF field strength meter IM-195 is a great value instrument designed for measuring and monitoring Radio Frequency (RF) electromagnetic field strength.

- Dimensions: 60 × 60 x195mm

| MODEL | 106-5307 |
|--------------------------|-----------------|
| Frequency Range | 50MHz to 3.5GHz |
| Radiation Type | RF Field |
| Power Source | 9V battery |
| Battery Life | 15h |
| Operating Humidity Range | 25% to 75% RH |
| Temperature Range | 0°C - +50°C |

IM-195 FIELD EMISSION DETECTOR 106-5307

IM-191 GAUSS METER

RS PRO magnetic field meter IM-191 is a great value instrument for measuring electromagnetic fields of extremely low frequency.

- Dimensions: 130 × 56 × 38mm
- Display 3-1/2 digits LCD, maximum reading 1999
- Display range 20, 200, 2000

| MODEL | 106-5309 |
|-------------------|------------------------------|
| Magnetic Range | 20 → 200 μT, 200 → 2000mG |
| Best Accuracy | ±2.5 % |
| Resolution | 0.01 μT, 0.1mG |
| Frequency Range | 30 → 300Hz |
| Battery Life | 100h |
| Temperature Range | +5°C - +40°C |

IM-191 GAUSS METER 106-5309

RS-2G MICROWAVE LEAKAGE DETECTOR



- This RS PRO microwave leakage detector offers an ergonomic and intuitive user design with a large, easy to read LCD display
- It has a high microwave sensitivity and can detect even low levels of radiation with confidence and accuracy, ensuring reliable measurement results
- An audible and visual alarm triggers above the safe level of 5.0 mW/cm² radiation leakage
- Powered by a 9V battery that offers an operating time of approx. 1 year if routinely checked once a month (supplied with the device)
- Measuring range 0 to 9.99 mW/cm²
- Calibrated at 2450MHz

| MODEL | RS-2G |
|---------------------------|-----------------------|
| Radiation Type | Microwave |
| Power Source | 9V Battery (supplied) |
| Dimensions | 60 × 42 × 160mm |
| Weight | 151g |
| Max Operating Temperature | +50°C |
| Min Operating Temperature | 0°C |

RS-2G MICROWAVE LEAKAGE DETECTOR 193-8685

RS LA-1017 HANDHELD SOLAR POWER METER AND DIGITAL MULTIMETER



- This RS PRO solar power meter is compact and handheld tester with a rugged design, ideal for when working in harsh environments
- The built-in digital multimeter feature measures continuity, voltage, resistance and electrical current with accurate and reliable readings for the best performance
- The digital LCD screen clearly displays results that are easy to read while the device is in use
- In addition to this, the dual-function solar power meter offers an auto-power off function after being left idle for 15 minutes, as well as a low battery indicator for easier battery life management
- The solar detector unit is connected to the meter using a cord so that it is flexible in movement when detecting sunlight and comes with a protective cap to cover the sensor when it's not in use

| MODEL | RS LA-1017 |
|--------------|-------------------|
| Power Source | AAA Battery |
| Dimensions | 74.5 × 44 × 162mm |
| Weight | 308g |

RS LA-1017 193-8689

ILM SERIES LIGHTMETERS



The ILM Series is a great value digital light meter with spectral sensitivity close to the CIE photopic standard curve.

COMMON INFORMATION

- Spectral sensitivity close to CIE photopic curve
- Accurate and instant response
- Data Hold function
- Max/Min function

Supplied with

Carrying case, user manual, battery

| SPECIFICATIONS / RANGES / MODEL | ILM1332A 123-2220 | ILM1335 123-2221 | ILM1337 123-2222 | ILM01 123-2223 | ILM201L 124-0938 |
|------------------------------------|---------------------------------------|---|---------------------------------------|--|--|
| Light Level Range | 0.01 - 200000lx | 0 - 400000lx | 0 - 20000lx | 0.01 - 500lx | 0 - 200000lx |
| Best Accuracy | ±3% | ±3% ± 0.5% digits | ±3% + ±5% digits% | ±3% + ±5% digits | ±3% |
| Resolution | 0.1lx | 0.01lx | 0.01lx | 0.01lx | - |
| Operating temperature Range | 0°C - +40°C | 0°C - +40°C | 0°C - +50°C | 0°C - +50°C | - |
| Battery Life | 200h | 400h | 400h | 100h | - |
| Power Source | 9V battery | AAA battery | AAA battery | AAA battery | 9V battery |
| Sensor Type | Photodiode | Photodiode | - | Photodiode | Photodiode |
| Dimensions | 72 × 33 × 135mm | 72 × 35 × 150mm | 72 × 35 × 150mm | 72 × 35 × 150mm | 55 × 38 × 130mm |
| Weight | 250g | 320g | 320g | 320g | 250g |
| Features | Accurate, Data hold, Instant response | Accurate, Auto power off function, Data hold, Instant response, Peak hold function, Relative function | Accurate, Data hold, Instant response | Accurate, Auto Power off function, Data hold, Instant response, Point average function | Manual ranging, Manual zero adjustment, Max hold |

ENVIRONMENTAL SOUND & VIBRATION MEASUREMENT

Buy this and more at rspro.com
Find out more in the **RS PRO Brandzone**



RS-8852 SOUND LEVEL METER WITH DATALOGGER



This high-quality sound level meter allows for easy environmental noise measurement for noise and quality management. The built-in datalogger allows easy transfer and analysis of data at a later stage by using a USB cable and conforms to IEC61672-1 Class 2 standards.

The frequency weighting from A to C helps manage sound levels for the human ear even when working in high decibel or frequency environments and it is suitable for use on a wide range of noise measuring applications.

- The large easy-to-read, backlit LCD display makes it easy to read the results, even when the meter is being used in poorly lit areas
- Analogue output for connection to chart recorders, graphic recorders and other data logging systems for added versatility
- Battery-powered or external 9V DC input
- 30-hour battery life with auto-power off function after 15 mins of idle time
- Weight 350g approximately, including battery, making it a perfect lightweight and portable unit
- Supplied with instruction manual, battery, screwdriver, Ø3.5mm earphone plug, software and USB cable for data transfer

| MODEL | RS-8852 |
|-----------------------------|--------------------------------------|
| Maximum Sound Level | 30 → 130 (Auto) dB, 80 → 130 (Hi) dB |
| Minimum Sound Level | 30 → 80 (Low) dB, 50 → 100 (Med) dB |
| Resolution | 0.1 dB |
| Accuracy Class | IEC 61672-1:2002 Class 2 |
| Weighting | A, C |
| Display Type | LCD |
| Frequency Range | 31.5 Hz to 8kHz |
| Operating Temperature Range | 0°C to +40°C |

RS-8852

193-8698

RS-660 NOISE DOSIMETER



This Noise Dose Meter measures the frequency weighted noise exposures and peaks sound levels simultaneously.

- 4 Sets link Charging
- Multiple simulated dosimeters (termed D1, D2 & D3)
- Simple operation, including direct read-out of results
- Ten built-in standard dose measurement setups:
- OSHA-80, OSHA-90, MSHA-80, MSHA-90, DOD, ACGIH, ISO-85, ISO-90, NR-15 and NHO-01
- Pause function
- Nine user defined measurement setups
- 30 dose (DATA) result stores
- Download of setups from PC to the meter
- Keypad lock protects meter against accidental operation
- Timers support pre-selection of measurement time and duration
- USB PC interface for the charging unit

| MODEL | RS-660 |
|-----------------------------|-----------------------|
| Sound Level Range | 70dB to 140dB |
| Resolution | 1 dB |
| Accuracy Class | ANSI S1.25, IEC 61252 |
| Weighting | A, C, Type 2, Z |
| Display Type | LCD |
| Battery Type | Li Polymer |
| Interface Type | USB |
| Operating Temperature Range | 0°C to +50°C |

RS-660 NOISE DOSIMETER

174-9559

CROWD THERMAL SCREENING SOLUTIONS/ CAMERAS

This range of high-quality infrared (IR) thermal cameras provide accurate and reliable measurement of the human body by combining all the important features for thermographic measurement at an affordable price.

They are hi-tech uncooled thermal cameras that can be used as a non-contact screening method to visualise temperature differences of the skin's surface and are suitable for use across a wide range of applications where quick screening is required, in areas with high footfall volume where it may not be possible to check individual temperatures using a thermometer.

| SPECIFICATIONS / RANGES / MODEL | TE-W60 201-2635 | TE-W40 201-2636 | -- 201-2637 | RSAI-321 202-0774 |
|---|---|---|--|--|
| Features | <ul style="list-style-type: none"> • Significant improved stability • Long-distance rapid screening • Non-contact screening, Avoid cross infection • Abnormal temperature alarm | <ul style="list-style-type: none"> • Significant improved stability • Long-distance rapid screening • Non-contact screening, Avoid cross infection • Abnormal temperature alarm | <ul style="list-style-type: none"> • Long distance, Large area, Accurate and rapid screening • Temperature measurement data can be traced • Non-contact rapid screening, Avoid cross infection • Continuous recording, alarm automatic capture | <ul style="list-style-type: none"> • Access Control & Attendance software for Company or School |
| Temperature Measurement Range | +20 - +50 °C | +20 - +50 °C | +20 - +50 °C | +32°C - +45°C |
| Detector Resolution | 160x120pixel | 384x288pixel | 640x480pixel | 1080P |
| Thermal Sensitivity | <60mK | <40mK | <60mK | - |
| Focus Type | Manual | Manual | Manual | - |
| Minimum Focus Distance | 0.1m | 0.1m | 0.18m | - |
| Dimensions; Weight | 105 x 230 x 245mm; 980g | 105 x 230 x 245mm; 980g | 232 x 145 x 85mm; 1.5kg | 45 x 135 x 268mm; 1.3kg |
| Sampling Frequency | 50Hz | 50Hz | - | - |
| Thermal Sensitivity | 0.06°C @ 30°C | 0.04°C @ 30°C | - | - |
| Field of View | 25°x19° | 25°x19° | 20°x17° | 89°x57° |
| Operating Temperature Range | 0°C to +40°C | 0°C to +40°C | -20°C to +50°C | 10°C to 40°C |
| Drop Test | 2m | 2m | - | 2m |
| IP Rating | IP54 | IP54 | IP54 | IP54 |
| Compliance | CE/FCC | CE/FCC | CE | CE, RED, FCC, CA65 |
| Humidity (Operating and Storage) | ≤95% (Non-condensing) | ≤95% (Non-condensing) | - | 10%~90% |

ENVIRONMENTAL TEMPERATURE MEASUREMENT

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Find out more in the **RS PRO Brandzone**



RS-9875 THERMAL IMAGING CAMERA

The RS-9875 features a variety of colour palettes such as rainbow, gray, feather and more, making it an incredibly versatile thermographic camera that allows the user to carry out temperature measurement for a number of applications.

KEY INFORMATION

Measurement Range
20 → +400°C

Detector Resolution
160 × 120 pixel

| MODEL | RS-9875 |
|---------------------------------------|-----------------|
| Display Resolution | 320 × 240 pixel |
| Thermal Sensitivity | 80mK |
| Best Temperature Measurement Accuracy | ±2°C |
| Focus Type | Manual |

| MODEL | RS-9875 |
|------------------------|---------|
| Refresh Rate | 9Hz |
| Minimum Focus Distance | 0.2m |
| Display Size | 3.5in |
| Weight | 920g |

THERMAL IMAGER

179-9511

RS-870 THERMAL IMAGING CAMERA WITH BLUETOOTH

The drop-proof, compact and lightweight design of the RS-870 will save time and be able to get quick and precise thermal readings while on the go. The built-in Bluetooth function allows for easy transfer of data for further analysis at the user's convenience.



KEY INFORMATION

Measurement Range
-4 → +716°F, +20 → +380°C

Detector Resolution
80 × 80 pixel

| MODEL | RS-870 |
|---------------------------------------|-----------------|
| Display Resolution | 240 × 320 pixel |
| Thermal Sensitivity | 100mK |
| Best Temperature Measurement Accuracy | ±2°C |
| Focus Type | Focus-Free |

| MODEL | RS-870 |
|------------------------|--------|
| Refresh Rate | 50Hz |
| Minimum Focus Distance | 0.5m |
| Display Size | 2in |

THERMAL IMAGER 80X80 WITH BLUETOOTH

193-8700



T-10 SMART THERMAL IMAGING CAMERA

T-10 is a lightweight and portable infrared thermal imaging camera designed for use with Android smart phones, connecting via a USB-C or Micro-USB. Effortlessly capture, analyse, generate report and share data all from your smartphone, without the need for additional batteries, storage or displays.

KEY INFORMATION

Measurement Range
-10 → 330°C

Detector Resolution
206 × 156 pixel

| MODEL | T-10 |
|---------------------------------------|---------|
| Display Resolution | - |
| Thermal Sensitivity | <70.0mK |
| Best Temperature Measurement Accuracy | ±5°C |
| Focus Type | Manual |

| MODEL | T-10 |
|------------------------|-------------|
| Refresh Rate | 9Hz |
| Minimum Focus Distance | 0.5m |
| Display Size | 206 × 156px |
| Weight | 54g |

FLIR ALTERNATIVE ANDROID THERMAL IMAGER

201-8065

RS-9331 TWO-POLE VOLTAGE INDICATOR AND CONTINUITY TESTER

Built to give fast, accurate and reliable results, the RS-9331 is designed with the user in mind, the large backlit LCD display and easy to use buttons, paired with a clear audible and physical alarm, ensure a safe working environment for any electrician.



KEY INFORMATION

Supplied with
2 × AAA batteries & carry case

IP Rating
IP64 protection

| MODEL | RS-9331 |
|---------------------|------------------|
| Test Current Rating | ≤30 μA, ≤5μA |
| Output Voltage | 12 → 1000V AC/DC |

| MODEL | RS-9331 |
|-----------------------|-----------------|
| Dimensions | 73 × 34 × 240mm |
| Operating Temperature | -10°C - +55°C |

RS-9331

193-8692

ENVIRONMENTAL TEMPERATURE MEASUREMENT

Buy this and more at rspro.com
Find out more in the **RS PRO Brandzone**



RS-8861 INFRARED THERMOMETER WITH DUAL LASER POINT

This RS PRO infrared temperature detector is a handheld device that can detect the environmental temperature by using a non-contact method of measurement. This instrument also measures surface temperature using an infrared sensor and includes dual laser pointers for better and more accurate targeting.

This non-invasive and non-contact method of temperature measurement removes the issue of having to rely on using a physical contact on the item to get a reading from it, making it ideal for use in industrial environments like steelworks, oil and chemical production and environmental testing.

FEATURES & BENEFITS

- Ergonomic grip for user comfort
- Built-in dual-laser allows for better and more accurate targeting
- Relative humidity range of 0-90%RH
- Powered by 9 V battery (supplied) and comes with a convenient carry case for safe storage

| MODEL | RS-8861 |
|------------------------|-----------------|
| Measurement Range | -50°C to +550°C |
| Best Accuracy | ±1 °C |
| Distance to Spot Ratio | 12:01 |
| Emissivity | 0.1 → 1 |
| Resolution | 0.1 °C |
| Response Time | 150 ms |

RS-8861 INFRARED THERMOMETER

193-8691

RS-8863B INFRARED THERMOMETER WITH DUAL LASER POINT

The RS-8863B infrared temperature detector is that same as the 8861 version but with a higher maximum temperature measurement and quicker response time.

This non-invasive and non-contact method of temperature measurement removes the issue of having to rely on using a physical contact on the item to get a reading from it, making it ideal for use in industrial environments like steelworks, oil and chemical production and environmental testing.



FEATURES & BENEFITS

- Ergonomic grip for user comfort
- Built-in dual-laser allows for better and more accurate targeting
- Relative humidity range of 0-90%RH
- Powered by 9 V battery (supplied) and comes with a convenient carry case for safe storage

| MODEL | RS-8863B |
|------------------------|------------------------------------|
| Measurement Range | -50°C to +800°C |
| Distance to Spot Ratio | 20:01 |
| Best Accuracy | ±1 °C, ±1.8 °F |
| Emissivity | 0.1 → 1 |
| Resolution | 0.1 (Upto 1000) °, 1 (Over 1000) ° |
| Response Time | <150ms |
| Dimensions | 104 × 43 × 146mm; 163g |

RS-8863B INFRARED THERMOMETER

193-8693



RS-8806S MEDICAL NON-CONTACT INFRARED THERMOMETER

The RS-8806S medical infrared (IR) thermometer is designed as a handheld device to detect body temperature using a non-contact method of measurement. It also measures the surface temperature of objects and the non-invasive and non-contact method of measurement removes the issue of having to rely on using a physical contact on the person or surface to get a reading from it, making it ideal for use in environments like hospitals, other medical and healthcare environments and more. This IR laser temperature detector provides fast sampling with high accuracy, making it an incredibly useful and versatile tool across a range of applications.environments

FEATURES & BENEFITS

- Ergonomic grip for user comfort
- Built-in dual-laser allows for better and more accurate targeting
- LCD display with backlight
- Powered by 2 × AAA batteries and weighs just over 125 g, making the unit super compact and lightweight

| MODEL | RS-8806S |
|-------------------------------|-------------------------|
| Measurement Range | +32°C to +60°C |
| Suitable for Body Measurement | Yes |
| Best Accuracy | ±0.3°C |
| Distance to Spot Ratio | 06:01, 08:01 |
| Dimensions | 128 × 74 × 36mm; 125.4g |

RS-8806S MEDICAL INFRARED THERMOMETER

201-0210

ENVIRONMENTAL TEMPERATURE MEASUREMENT

Buy this and more at rspro.com
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RS50 SERIES DIGITAL THERMOMETERS

The RS350 series have an easy to read LCD display and optional measurement preference. The choice of data loggers can be based on many factors. RS PRO 51 offers a large display count of up to 1999.

They also benefit from having a real-time stamp feature for minimum, maximum and average measurements. Our unique range of hand held thermometers offer you the choice of calibration types and temperature measuring preference to suit your needs at affordable prices.

COMMON INFORMATION

- Two Type K bead thermocouples supplied
- Reading hold function
- Dual thermocouple input
- Differential temperature (T1-T2)

Note

The values given indicate the specified model's total capability. All figures are dependent upon the thermocouple type being used. See the technical specifications for further information.

| SPECIFICATIONS / RANGES / MODEL | RS51 | 123-3215 | RS52 | 123-3216 | RS53 | 123-3217 | RS55 | 123-3218 |
|---|--|----------|--|----------|--|----------|--|----------|
| Temperature Inputs | 1 | | 2 | | 1 | | 2 | |
| Absolute Maximum Temperature Measurement | +1300°C, +1999°F | | +1300°C, +1999°F | | +1372°C, +2501°F | | +1372°C, +2501°F | |
| Thermometer Type | Handheld | | Handheld | | Handheld | | Handheld | |
| Best Accuracy | ±0.3 % | | ±0.3 % | | ±0.1 % | | ±0.1 % | |
| Probe Type | K | | K | | J, K | | J, K | |
| Data Storage | Yes | | Yes | | Yes | | Yes | |
| Resolution | 0.1°C, 0.2°F | | 0.1°C, 0.2°F | | 0.1 K, 0.1°C, 0.2°F | | 0.1 K, 0.1°C, 0.2°F | |
| Min/Max Recordings | Yes | | Yes | | Yes | | Yes | |
| Temperature Scale | Centigrade, Fahrenheit | | Centigrade, Fahrenheit | | Centigrade, Fahrenheit | | Centigrade, Fahrenheit | |
| Battery Type | 9V Alkaline | | 9V Alkaline | | 9V Alkaline | | 9V Alkaline | |
| Dimensions | 74 × 39 × 170mm | | 74 × 39 × 170mm | | 74 × 39 × 170mm | | 74 × 39 × 170mm | |
| Weight | 430g | | 430g | | 430g | | 430g | |
| Supplied with | Protective holster with stand, belt clip, PP3 battery and instruction manual | | Protective holster with stand, belt clip, PP3 battery and instruction manual | | Protective holster with stand, belt clip, PP3 battery and instruction manual | | Protective holster with stand, belt clip, PP3 battery and instruction manual | |

INFRARED THERMOMETER WITH PROBE

This RS IR 95 thermometer combines non-contact infrared thermometer with a probe. It can measure both the surface and inside temperature of an object.



| MODEL | RS IR 95 |
|---|------------|
| Absolute Maximum Temperature Measurement | +280°C |
| Temperature Scale | Centigrade |
| Absolute Minimum Temperature Measurement | -20°C |
| Distance to Spot Ratio | 4:1 |

INFRARED THERMOMETER

155-8898

ENVIRONMENTAL HYGROMETERS AND THERMOHYGROMETERS

Buy this and more at rspro.com
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RS-325A DIGITAL THERMOHYGROMETER



Desktop or wall type temperature and humidity meter, with high precision and quality digital sensor (14-bit resolution temperature, 12-bit resolution humidity).

| | |
|---------------------|---------------------------------|
| MODEL | 195-9129 |
| Resolution | 0.1°C (Temp), 0.1%RH (Humidity) |
| Accuracy | ±4 %RH |
| Functions | Measuring |
| Battery Type | 1.5V AA |

RS-325A DIGITAL THERMOHYGROMETER **195-9129**

TA298 THERMOHYGROMETER



Accurate measurement of temperature and humidity, suitable for use both indoors and outdoors. The TA298 features a sleek and stylish design with a 66 × 92mm digital LCD display screen to simultaneously monitor indoor/outdoor temperature and humidity with ease, accompanied by a user-friendly interface allowing the settings and program to be adjusted with ease

- Celsius/Fahrenheit switch option display
- Maximum and minimum memory function
- Temperature range of 0 → 50°C (indoor) and -40 → 70°C (outdoor)

TA298 THERMOHYGROMETER **196-8736**

1160 & 1161 THERMO / HYGRO / BAROMETERS WITH AUTO DATA LOGGER

Triple tier LCD displays combined barometric pressure, temperature and relative humidity.

Other readings consist of: dew point, wet bulb temperature, absolute humidity, mixing ratio, enthalpy, water vapour and saturation pressure, barometric pressure trend and tendency, heat index and humidex.



COMMON INFORMATION

- Comparator function **Weight:** 178g
- Alarm **Power Source:** NEDA 1604, 006P 9V battery
- Auto power-off
- Manual data memory and read **Battery Life:** 2 months
- Auto data logger

| MODEL | 1160 | 1161 |
|---|----------------|----------------|
| Absolute Maximum Temperature Measurement | +100°C, +212°F | +100°C, +212°F |
| Maximum Humidity Measurement | 100%RH | 100%RH |
| Best Temperature Measurement Accuracy | ±0.4°C, ±0.8°F | ±0.4°C, ±0.8°F |
| Temperature Measurement Resolution | 0.1°C, 0.1°F | 0.1°C, 0.1°F |

| MODEL | 1160 | 1161 |
|---|-------------|-------------|
| Best Humidity Measurement Accuracy | ±3 %RH | ±3 %RH |
| Humidity Measurement Resolution | 0.1%RH | 0.1%RH |
| Meter Type | Handheld | Handheld |
| Interface Type | USB | USB |
| Operating Temperature Range | 0°C - +60°C | 0°C - +60°C |

1160 THERMO / HYGRO / BAROMETER **127-8296**

1161 THERMO / HYGRO / BAROMETER WITH AUTO DATA LOGGER **127-8297**

RS1260 DIGITAL HUMIDITY METER



RS1260 is a great value digital humidity meter with features not normally available at this price.

Features and Benefits

- Dual LCD display
- Dew point reading
- Wet bulb reading
- Max/Min with time stamp

RS1260 DIGITAL HUMIDITY METER **123-2210**

RS1362 TRIPLE INPUT PRINTING THERMOHYGROMETER



RS1362 is a great value, feature-rich 3-input printing thermo hygrometer. It has a triple LCD display for % RH, T1 for air temperature and T2 for type K thermocouple input temperature. It can print on demand or at pre-set time intervals.

Features and Benefits

- Dew point reading
- MAX/MIN and Data Hold
- Real time stamp
- °C/°F selectable
- 193 × 74 × 37mm
- Weight 430g

1362 TRIPLE INPUT PRINTING THERMOHYGROMETER **123-2232**

ENVIRONMENTAL MOISTURE METERS

Buy this and more at rspro.com
Find out more in the **RS PRO Brandzone**



RS-120 MOISTURE METER

- Dual backlit LCD digital display of moisture & temperature
- Readings with Integral electrode Pins
- User selectable Wood moisture, Building material moisture, oC, oF
- Auto power off



Size & Weight:
96 x 40 x 20mm: 83g

Power Source:
4x LRAA Battery

| MODEL | 146-9080 |
|-----------------------------|-------------------|
| Maximum Measurement | 0.2 → 2%, 6 → 44% |
| Best Accuracy | ±0.2%, ±2% |
| Display Type | Digital |
| Battery Type | LRAA x 4 |
| Operating Temperature Range | 0°C - +40°C |

RS-120 MOISTURE METER **146-9080**

RS-125 MOISTURE METER

RS PRO Moisture meter which measures moisture content in wood and construction material.

Used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). It displays the moisture level in the material straight away.

- Auto Power Off
- Battery Check function
- Replaceable Pins
- Auto Power On
- Confirms to CE, EMC, EN: 61326



Size & Weight:
140 x 48 x 33mm: 93g

Power Source:
3x CR2032 battery

| MODEL | 146-9081 |
|-------------------------------|--|
| Maximum Measurement | 0.2 → 2 (Building Material) %, 6 → 44 (Wood) % |
| Best Accuracy | ±0.05 (Materials) %, ±1 (Wood) % |
| Display Type | Analogue |
| Scale Type | Building Materials, Wood |
| Battery Type | CR 2032 x 3 |
| Minimum Operating Temperature | 0°C |

RS-125 MOISTURE METER **146-9081**

DT-128M MOISTURE METER

Non-invasive measurement. Monitor moisture in wood and other building materials with virtually no surface damage

- Relative Pin-less moisture reading for non-invasive measurement from 0.0 to 100.0% with 0.1 resolution
- Multifunction backlit triple LCD display
- Pin-less measurement depth from 0.78" (20mm) to 1.6" (40mm) below the surface

- High frequency sensing technology
- Automatic Data Hold
- Two adjustable alarm levels with audible beeper and visual (flashing "RISK" or "WET") indicators
- Automatic calibration (in dry air) when meter is powered on



Size & Weight:
242 x 63 x 30mm: 226g

Power Source:
AAA battery

| MODEL | 146-9082 |
|---------------------|----------|
| Maximum Measurement | 100% |
| Display Type | Digital |

DT-128M MOISTURE METER **146-9082**

ENVIRONMENTAL PRESSURE METERS

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Find out more in the **RS PRO Brandzone**



DIFFERENTIAL PRESSURE MANOMETERS



The device measures Gauge/Differential Pressure, it features 11 selectable units of measurement: inH2O, psi, bar, mbar, kPa, inHg, mmHg, ozin, ftH2O, cmH2O, kgcm. Additional features including Data Hold, Auto Power Off disabled, and an USB for capturing reading to a PC using optional software.

Careful use of this meter will provide years of reliable service. DT-8890B measures Differential Pressure from -20Pa - 20Pa and connect to the printer GPT-4379 with USB interface. DT-8890C measures Gauge/Differential Pressure from -13.86 inH2O - 13.86 inH2O (0.30 psi).

| MODEL | RS-8890 |
|-------------------------------------|---|
| Best Accuracy | ±0.3 % |
| Number of Pressure Ports | 2 |
| Maximum Pressure Measurement | 0.137 bar, 0.14 kgcm ² , 2 psi, 4.072 inHg, 4.612 ftH2O, 13.79 kPa, 32 ozin ² , 55.4 inH2O, 103.4mmHg, 137.8 psi, 140.6 cmH2O |
| Minimum Pressure Measurement | -2psi |
| Minimum/Maximum Recordings | Yes |
| Minimum/Maximum Recordings | 120 × 160 pixel |
| Battery Type | 9V |
| Display Type | LCD |

RS-8890








144-5336

DPI HANDHELD PRESSURE INDICATORS

The RS PRO DPI Series of handheld pressure indicators combine tough and rugged design with accurate and reliable pressure measurement.

Compact, robust and lightweight, the RS PRO DPI is designed for single handed operation and provides many essential features required for routine maintenance and system troubleshooting.



| |  |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| | 70MBAR | 350MBAR | 1BAR | 7BAR | 10BAR | 20BAR | 700BAR |
| SPECIFICATIONS / RANGES / MODEL | 146-7717 | 146-7718 | 146-7719 | 146-7720 | 146-7721 | 146-7722 | 146-7723 |
| Best Accuracy | ±0.1 % | ±0.1 % | ±0.1 % | ±0.1 % | ±0.1 % | ±0.1 % | ±0.1 % |
| Number of Pressure Ports | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Maximum Pressure Measurement | 70mbar | 350mbar | 1bar | 7bar | 10bar | 20bar | 700bar |
| Distance to Spot Ratio | 0mbar | 0mbar | 0mbar | 0mbar | 0mbar | 0mbar | 0mbar |
| Pressure Port Type | Differential | Differential | Differential | Gauga | Absolute | Gauge | Absolute |
| Leak Testing | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Minimum/Maximum Recordings | Yes | Yes | Yes | Yes | Yes | Yes | Yes |
| Intrinsically Safe | Yes | Yes | Yes | Yes | Yes | Yes | Yes |

LAB EQUIPMENT ULTRASONIC CLEANERS

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Find out more in the **RS PRO Brandzone**

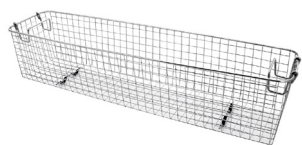


ULTRASONIC CLEANERS



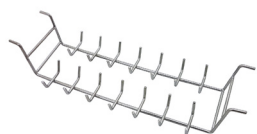
| | |
|-----------------------------------|----------|
| ULTRASONIC CLEANER 10L | 183-7513 |
| ULTRASONIC CLEANER 36L | 179-7571 |
| DIGITAL ULTRASONIC CLEANER 600 ML | 136-8566 |
| ULTRASONIC CLEANING TANK 2L | 124-9721 |
| ULTRASONIC CLEANING TANK 3L | 855-5911 |
| ULTRASONIC CLEANING TANK 6L | 855-5915 |
| ULTRASONIC CLEANING TANK 9L | 124-9722 |
| ULTRASONIC CLEANING TANK 27L | 124-9723 |

ULTRASONIC CLEANING ACCESSORIES



Features and Benefits

- Durable lightweight mesh design, allowing delicate items to be safely placed inside and cleaned
- Handles to allow the basket to be suspended, helping to protect the transducers of the tank and the items inside
- Available in a range of sizes to accommodate a variety of tanks
- Helps to facilitate a gentler clean
- Mesh design helps to minimise and reduce ultrasonic hotspots during the cleaning process



| | |
|---|----------|
| ULTRASONIC CLEANING BASKET FOR 2L TANK | 183-7515 |
| ULTRASONIC CLEANING BASKET FOR 3L TANK | 183-7516 |
| ULTRASONIC CLEANING BASKET FOR 6L TANK | 183-7517 |
| ULTRASONIC CLEANING BASKET FOR 9L TANK | 183-7518 |
| ULTRASONIC CLEANING BASKET FOR 10L TANK | 183-7514 |
| ULTRASONIC CLEANING BASKET FOR 27L TANK | 183-7519 |
| ULTRASONIC CLEANING BASKET FOR 36L TANK | 183-7520 |
| ULTRASONIC CLEANING RING RACK FOR 3L TANK | 183-7521 |
| ULTRASONIC CLEANING RING RACK FOR 6L TANK | 184-0726 |
| ULTRASONIC CLEANING BEAKER BASKET FOR 3L | 183-7523 |
| ULTRASONIC CLEANING BEAKER BASKET FOR 6L | 183-7524 |

LAB EQUIPMENT MAGNETIC STIRRERS AND BEAKERS

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MAGNETIC STIRRERS



RS PRO HOT STIRRER, 700W, ALUMINIUM, SILICON ALLOY

490-1036

BEAKERS



| | |
|------------------------|----------|
| RS PRO BEAKER | 263-2564 |
| RS PRO BEAKER | 263-2570 |
| RS PRO BEAKER | 263-2586 |
| RS PRO PP 25ML BEAKER | 461-0128 |
| RS PRO PP 50ML BEAKER | 461-0134 |
| RS PRO PP 100ML BEAKER | 461-0140 |
| RS PRO PP 250ML BEAKER | 461-0156 |
| RS PRO PP 500ML BEAKER | 461-0162 |
| RS PRO PP 1L BEAKER | 461-0184 |
| RS PRO PP 2L BEAKER | 461-0190 |
| RS PRO PP 100ML BEAKER | 478-1602 |
| RS PRO PP 250ML BEAKER | 478-1618 |
| RS PRO PP 500ML BEAKER | 478-1624 |
| RS PRO PP 1L BEAKER | 478-1630 |
| RS PRO PP 2L BEAKER | 478-1646 |
| RS PRO PP 3L BEAKER | 478-1652 |

BOROSILICATE GLASS BEAKERS



| | |
|--|----------|
| RS PRO BOROSILICATE GLASS 50ML BEAKER | 461-1086 |
| RS PRO BOROSILICATE GLASS 100ML BEAKER | 461-1092 |
| RS PRO BOROSILICATE GLASS 150ML BEAKER | 461-1109 |
| RS PRO BOROSILICATE GLASS 250ML BEAKER | 461-1115 |
| RS PRO BOROSILICATE GLASS 400ML BEAKER | 461-1121 |
| RS PRO BOROSILICATE GLASS 600ML BEAKER | 461-1137 |

LAB EQUIPMENT PIPETTES AND LABORATORY BOTTLES

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PIPETTES



Features and Benefits

- These squeezable pipettes are widely recycled non-toxic material, making them environmentally friendly
- Safe for pipetting liquids and foods
- Ultra-light and ergonomic design is also convenient for transferring liquids without the risk of contamination
- Clear readable measurement markings in ml (milliliters) to ensure greater accuracy
- Cost-effective solution to more expensive glass or electronic measuring pipettes, whilst also eliminating the need for calibration cost

| | | |
|---|------------|----------|
| 3ML PIPETTE, 138MM, GRADUATED TO 1ML | PACK OF 5 | 179-3678 |
| 3ML PIPETTE, 138MM, GRADUATED TO 1ML | PACK OF 10 | 179-3679 |
| 3ML PIPETTE, 138MM, GRADUATED TO 1ML, NON-STERILE | PACK OF 10 | 179-3677 |
| 3ML PIPETTE, 138MM, GRADUATED TO 1ML | PACK OF 20 | 179-3681 |
| 5ML PIPETTE, 150MM, GRADUATED TO 1ML, EO | PACK OF 5 | 179-3651 |
| 5ML PIPETTE, 150MM, GRADUATED TO 1ML, EO | PACK OF 10 | 179-3653 |
| 5ML PIPETTE, 150MM, GRADUATED TO 1ML, NON-STERILE | PACK OF 10 | 179-3650 |
| 5ML PIPETTE, 150MM, GRADUATED TO 1ML, EO | PACK OF 20 | 179-3654 |
| 5ML PIPETTE, 155MM, GRADUATED TO 2ML | PACK OF 10 | 179-3670 |
| 5ML PIPETTE, 155MM, GRADUATED TO 2ML, NON-STERILE | PACK OF 10 | 179-3667 |
| 5ML PIPETTE, 155MM, GRADUATED TO 2ML | PACK OF 20 | 179-3671 |
| 5ML PIPETTE, 155MM, GRADUATED TO 2ML | PACK OF 5 | 179-3669 |
| 5ML PIPETTE, 160MM, GRADUATED TO 1ML | PACK OF 10 | 179-3659 |
| 5ML PIPETTE, 160MM, GRADUATED TO 1ML | PACK OF 10 | 179-3661 |
| 5ML PIPETTE, 160MM, GRADUATED TO 1ML | PACK OF 20 | 179-3662 |
| 5ML PIPETTE, 160MM, GRADUATED TO 1ML | PACK OF 5 | 179-3660 |
| 6ML PIPETTE, 155MM, GRADUATED TO 1.5ML | PACK OF 10 | 179-3675 |
| 6ML PIPETTE, 155MM, GRADUATED TO 1.5ML, NON-STERILE | PACK OF 10 | 179-3672 |
| 6ML PIPETTE, 155MM, GRADUATED TO 1.5ML | PACK OF 20 | 179-3676 |
| 6ML PIPETTE, 155MM, GRADUATED TO 1.5ML | PACK OF 5 | 179-3673 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 10 | 179-3665 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML, NON-STERILE | PACK OF 10 | 179-3663 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 10 | 179-3655 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 10 | 179-3657 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 20 | 179-3666 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 20 | 179-3658 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 5 | 179-3664 |
| 7ML PIPETTE, 160MM, GRADUATED TO 3ML | PACK OF 5 | 179-3656 |

CENTRIFUGE TUBES

This range of high-quality Laboratory Bottles have a leakproof lid and conical bottom. They are ideal for small volume samples and storage and are a re-useable, cost-effective solution to more expensive glass alternatives. These lab bottles are heavy duty and durable enough for laboratory use or other applications like household storage for items like crafting supplies, etc.



| | | |
|--|------------|----------|
| 15ML, CENTRIFUGE TUBES, CONICAL-BOTTOM, PP | PACK OF 50 | 181-2504 |
| 15ML, CENTRIFUGE TUBES, CONICAL-BOTTOM, PP | PACK OF 50 | 181-2505 |
| 50ML, CENTRIFUGE TUBE, CONICAL-BOTTOM, PP | PACK OF 25 | 181-2502 |
| 50ML, CENTRIFUGE TUBE, CONICAL-BOTTOM, PP | PACK OF 25 | 181-2503 |

SPECIMEN CONTAINERS

These plastic laboratory bottles are ideal for small volume samples and storage and are a re-useable, cost-effective solution to more expensive glass alternatives. They are heavy duty and durable enough for laboratory use or other applications like household storage for items like crafting supplies, etc.



Features and Benefits

- The bottles are manufactured from virgin polystyrene (PS) and polypropylene (PP) allowing for durability and heavy-duty use
- All materials are noncytotoxic and therefore do not react with biological samples
- These bottles are suited for in vitro use only
- Smooth inner contours for efficient pouring and ease of cleaning
- Ideal for a wide range of liquid storage, media preparation and sampling applications
- Clear scale, facilitates accurate sampling

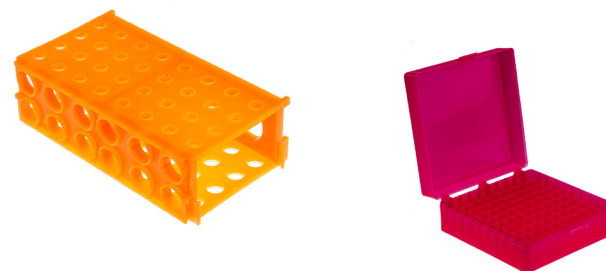
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|--|----------|
| 7ML, SPECIMEN CONTAINERS, SCREW CAP,NO LABEL, PS/ PP | 179-3682 |
| 7ML, SPECIMEN CONTAINERS, SCREW CAP,NO LABEL, PP/PP | 179-3683 |
| 60ML, LABORATORY BOTTLE, METAL FLOWED SEAL INSERT CAP, PS | 179-3684 |
| 100ML, LABORATORY BOTTLE, METAL FLOWED SEAL INSERT CAP, PS | 179-3685 |
| 150ML, LABORATORY BOTTLE, METAL FLOWED SEAL INSERT CAP, PS | 179-3686 |
| 250ML, LABORATORY BOTTLE, METAL FLOWED SEAL INSERT CAP, PS | 179-3687 |
| 60ML, UNIVERSAL, SPECIMEN CONTAINER, SCREW CAP, NO LABEL, PS / PE | 179-3688 |
| 60ML, UNIVERSAL, SPECIMEN CONTAINER, SCREW CAP, PRINTED LABEL, PS / PE | 179-3689 |
| 90ML, SPECIMEN CONTAINER, SECURITY LABEL, MOLDED-GRAD, PP | 179-3690 |
| 120ML, SPECIMEN CONTAINER, SECURITY LABEL, MOLDED-GRAD, PP | 179-3691 |
| 20ML, HISTOLOGY SPECIMEN CONTAINER, PP | 179-3692 |
| 40ML, HISTOLOGY SPECIMEN CONTAINER, PP | 179-3693 |
| 60ML, HISTOLOGY SPECIMEN CONTAINER, PP | 179-3694 |
| 90ML, HISTOLOGY SPECIMEN CONTAINER, PP | 179-3695 |
| 250ML, HISTOLOGY SPECIMEN CONTAINER, PP | 179-3697 |
| 500ML, HISTOLOGY SPECIMEN CONTAINER, PP | 179-3698 |
| 50ML, CENTRIFUGE TUBE, CONICAL-BOTTOM, PP TUBE | 179-3700 |
| 50ML, CENTRIFUGE TUBE, CONICAL-BOTTOM, PP TUBE | 179-3701 |
| 15ML, CONICAL-BOTTOM CENTRIFUGE PP TUBES | 179-3704 |
| 15ML, CONICAL-BOTTOM CENTRIFUGE PP TUBES, GRADUATED | 179-3705 |

MICRO TUBE STORAGE RACKS & BOXES

A versatile storage system for vials, tubes and micro tubes. These interlocking racks & boxes are made using durable polypropylene, ensuring a sturdy construction with a range of tabs and slots to suit a variety of applications. The boxes can be stacked together, with an alphanumeric grid on the lid for easy identification of tubes. These test tube boxes feature high walls with air vents and are also suitable for autoclaving at 121°C, providing a unique rack system suitable for a range of applications.

Features and Benefits

- Heavy-duty polypropylene design, providing a sturdy construction
- Colour coding to easily identify the required size
- Suitable for a range of applications
- Various sized tabs and slots to accommodate for a range of tubes
- Can be linked together to create a custom size rack system
- Suitable for autoclaving at 121°C



| | |
|---|----------|
| 4-WAY MICRO TUBE RACK, PACK OF 5 | 179-3708 |
| COMPACT MICROTUBE STORAGE BOX FOR UP TO 2ML TUBES, 10X10, AIR VENTS | 179-3709 |

RS PRO products are audited against demanding international standards, inspected for durability and consistency and tested by leading engineers.

Only when products have been through this process are they awarded our seal of approval, quality that can be trusted. Confidence in this process is reflected in our long product warranties, proof that our products will consistently deliver the quality you expect for a long time to come.

