

MRO Safety Solutions

Helping you keep your workforce, equipment and site – safe and compliant.





Supporting you every day, we're by your side



We carry more than 650,000 industrial and electronics products from over 2,500 leading suppliers. From the niche specialists to the big global suppliers, we stock almost every brand that you're likely to use. This includes our own-brand RS PRO, which offers more than 70,000 products.

With fast, easy access to the widest range of product solutions, reliable delivery, expert technical advice and procurement solutions to streamline your purchasing process, we'll help you keep things running smoothly.



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WELCOME

Maintenance, repair and operations (MRO) or indirect procurement refers to products and solutions that are purchased infrequently, in small quantities across many different suppliers.

Personal safety is a crucial component of health and safety requirements, however, you must not ignore other critical safety areas, such as machinery safety, where legislative compliance is just as important.

Often considered separately and not given the same focus are electrical and general site safety, but all industrial sites must put procedures and measures in place to keep the workforce safe.

In this MRO guide, we've highlighted some of the product solutions from our extensive workplace safety range, which can help keep your workforce, equipment and site – safe and compliant.

Join the conversation Fig. 1. In Inc. 1. In Inc. 1. In Inc. 1. Inc. 1

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SPOTLIGHT ON

Machine Safety in the Workplace

Machinery is commonplace within factories and industrial environments, but it comes with risks attached. The dangers posed by sharp edges, clamps, presses, hotsurfaces and moving parts are clear, and operators must be protected from them.

Aside from training, operational precautions are essential for the safe use of machinery. The first approach should always be to remove hazards by installing physical guarding or protection. Clear warning signs should also be fitted.

The addition of machinery safety systems that use switches, sensors, and opto-electronic protective devices to monitor how the operator is interacting with a machine is a secondary way to mitigate risks when physical guarding is impractical.

The many types of industrial machinery in use perform different functions and appear to have little in common. But while the fine details may differ, the fundamentals of operating safety are much the same.

The following principles apply to lathe machines, grinding machines, presses, machine tools and packaging machines.

Top Tips for Machine Safety

- Read the operating manual of any new machine carefully, even if you are already familiar with the basics. Always follow the instructions given.
- 2. Always wear machine-appropriate personal protection equipment (PPE). Closed toe shoes protect your feet from impact and falling items and also reduce the risk of slips. Full wrap goggles shield your eyes from debris that may escape the guarding. Cut resistant gloves can ward off injuries caused by exposure to sharp edges and blades. Read our guide to PPE here.
- 3. Only operate machinery for which you have received full training.
- 4. Visually assess the machinery and its fixtures and fittings before use, looking for any potential problems.
- Tie back loose clothing and hair and remove any jewellery to avoid the risk of entanglement.
- Ensure that there are no slipping or tripping hazards in the vicinity.
- 7. Ensure you know the location of the emergency stop (e-stop) button if one is present and make sure you can access it immediately if needed.

- 8. Establish clear lockout procedures and install barriers as appropriate, enabling the complete cessation of electrical current in emergencies or for maintenance. Presence-detecting light curtains will induce an emergency shutdown if they detect limbs in hazardous areas.
- 9. Make sure appropriate guarding (shielding) is securely installed to protect operators and critical parts of the machinery itself from flying debris, sparks, moving parts or entanglement hazards. Cabling should also be appropriately guarded. Only use guarding that is free from its own hazards e.g. sharp edges. Always switch off machinery when stepping away from it.
- 10. Fit easy-to-understand safety warning signs in visible locations, for the benefit of anybody in the vicinity of the machine.
- 11. Ensure that a well thought-through cleaning and maintenance system is in place so that workers involved in such tasks are not exposed to unnecessary risks.
- 12. Only fully trained technicians should conduct repairs and modifications.

SAFETY DOOR AND INTERLOCK SWITCHES

XCSE Solenoid Interlock Switches

- Key operated lock to allow authorised override of solenoid (key supplied)
- 2 LED indicators (orange/guard open, green/guard closed, key in locked position)
- Heavy duty metal compact style to IP67





Telemecanique Sensors XCSA Safety Interlock Switches

- 3 positive opening contacts as standard (on guard opening)
- A key operated lock enables positive locking of the guard
- Optional version with orange LED to indicate guard open/closed





263-3725 2NO/1NC, Power to Unlock

R8 064,52

397-2166 3NC, Key, Zamak R2 161,86 397-2150 2NC/1NO, Key, Zamak R2 188,15

AZ Series Standard Safety Interlock Switches

- · Individual coding available on request
- · High level of contact reliability with low voltages and currents
- Not sensitive to dirty conditions by virtue of patented roller system





GKN Safety Interlock Switch

- Large wiring cavity and 3 cable entries
- No additional earthing requirements
- Head offers 4 actuation entries





S SCHMERSRL

623-2988 1NC/1NO, Key, Fibreglass R1030,40 623-3054 2NC/1NO, Key, Fibreglass R1197,11

D4NS Safety-Rated Interlock Switch

- · Connector size is M20 (1-conduit) Standardised gold-clad contacts
- for high contact reliability
- Applicable to both standard loads and micro loads





Honeywell

015-3141 2NC/1NO, Key, Fibreglass

R1 671,69

HS5D Safety-Rated Interlock Switch

- · Detects detachment of head for enhanced safety
- · Compact dimensions with up to three contacts
- The head orientation can be rotated,
- allowing 8 different actuator entries





746-7292 1NC/1NO, Key, Plastic

R737,44

179-4733 2NC, Key, Plastic

IDEC

R976.03



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Robust, cost-effective sensors to increase conveyor productivity



Increase product flow and ensure optimum time in automated storage & retrieval systems

In the world of automation, rapid and efficient production translates into profit while downtime equals lost opportunities. Critical and cost-effective conveyor sensors from Telemecanique Sensors can instantly improve production and reduce downtime.

Innovative roller conveyor sensors reduce downtime

The simple "position-and-click" installation of the XUY roller conveyor sensor is just the first feature that reduces conveyor downtime. By mounting the sensor between the rollers instead of on the side of the conveyor, you virtually eliminate the risk of sensor damage by items

improperly positioned on the conveyor or next to the conveyor.



Conveyor sensors increase efficiency and improve safety

Conveyor solutions are as vast and varying as the number of products produced on them! When conveyor detection involves clear surfaces, shiny metal surfaces, or safety considerations, Telemecanique Sensors provides detection solutions that are equally as innovative and reliable.

With Telemecanique Sensors, it's "Simply easy...and safer!"





RE

PSR Safety Relays

- Slim overall width means
- you can save space

 Fast installation and startup
- Force guided contacts make
- Force guided contacts ma them a reliable choice



PHENIX

666-7022	Single Channel With 3 Safety Contacts	R4 324,22
666-7053	Dual Channel With 6 Safety Contacts	R10 137,94
666-7056	Dual Channel With 2 Safety Contacts 2 Auxiliary Contacts	R6 905,66
666-7069	Dual Channel With 2 Safety Contacts 1 Auxiliary Contact	R5 994,52

PNOZsigma Configurable Safety Relays

- Rapid installation: With pushin spring-loaded terminals
- Wiring work is reduced by 20 %:
- Wiring work is reduced by 20 %: Contact expansion via connectors
- Simple configuration: Designation and position of the terminals is the same on all unit types: So connections and devices can always be assigned quickly for configuration, installation and diagnostics





015-5822	Dual Channel With 2 Safety Contacts , Automatic, Manual, Monitored Reset	R6 443,55
015-6106	Dual Channel With 3 Safety Contacts 1 Auxiliary Contact, Automatic, Manual	R4 437,43
015-6112	Dual Channel With 3 Safety Contacts 1 Auxiliary Contact	R4 681,48

BT50 Output Module

- Quick and easy method of expanding safe outputs
- 35mm DIN rail mounting type
- Connection via screw terminals



Omron 24 V ac/dc Safety Relay

- Easy expansion connection
- Compact
- Used for most safety relay applications within the industrial automation industry





OMRON

054-9609 Single or Dual Channel With 3 Safety Contacts 1 Auxiliary Contact

R4 628,39

PSRmini 24 V dc Safety Relay

- Compatible with all important signal transmitters and safety-relevant systems
- Screw and push-in spring connection
- Up to 70% space saved





DENEWIX

Schneider

893-7745 Dual Channel With 2 Safety Contacts 2 Auxiliary Contacts

R2 039,39

Schneider Electric 24 V ac/dc Safety Relay

- Single channel safety relay output provided with 3 N/O safety relay outputs plus1 solid-state output PLC signalling
- Monitoring of single safety functions, providing an automated solution for use with applications such as emergency push stop buttons or switches
- Slim in design, meaning it can fit nicely even in space constraint spaces







733-4846 0 Inputs, 4 Outputs, 24 V do

R3 447.73

447-4477 3 Safety Contacts 1 Auxiliary Contact

R3 259.87



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Covering all the safety functionality and scalability you need for your machines.

Schneider Electric provides an extensive and comprehensive range of machine protection equipment and safety certified products offers. In conjunction with our best-in-class industrial offers, we continue to innovate at every level to support you further with all your industrial application needs.



XPS safety relays and controllers

Preventa™ XPS safety relays and XPSMCM modular safety controllers provide flexible safety solutions for a wide range of machine safety applications.

- XPS: dedicated safety relay modules for specific functions e.g. limit switch monitoring, zero speed detection, timing, two-hand control, press control, and others.
- XPSMCM: modular and configurable safety controllers with a complete range of I/O and communication expansion modules.

Harmony safety emergency stops

- Upgraded waterproof and dust proof, ideal for severe environments, especially applications requiring high impact and vibration resistance.
- Combines simplicity of setup, flexibility, and robust construction.
- Range now includes E-stop with monitoring contacts, to avoid errors in installation.





RE

Harmony XALK Series Emergency Stop Push Buttons

- Easy to use "turn to release" functionality for easy reset once activated
- Light grey RAL 7035 base enclosure, with a yellow RAL 1021 cover colour and a prominent, bold red push button for easy identification to its function
- Durable Polycarbonate material, easy to clean and maintain with added durability for extended use (mechanical durability of 300,000 cycles)



Schneider

795-1295	Twist to Reset, NC	R726,69
609-4708	Twist to Reset, NO/NC	R1 907,64
795-1309	Pull to Reset, NC	R852,69
795-1302	Key Reset, NC	R1 073,53

Stainless Steel Enclosed E-Stops

- · 2NC/1NO contact configuration
- Conduit entry of M20
- High pressure hosed with detergents at high-temperature







826-4390	Twist to Reset, 2NC/NO, 240 V	R2 598,34
826-4394	Twist to Reset, 2NC/NO, 240 V	R2 603,32
826-4404	Twist to Reset, 2NC/NO, 240 V	R2 762,13

XB5A Series Red Emergency pushbuttons

- Strong resistance to chemicals (cleaning agents, alcohol, oils & detergents) offering you the flexibility of area of use for your E-stops
- Greater vibration resistance alongside shake-proof terminal screws to prevent the E-stop loosening from its mounting / panel
- Simple, easy and quick panel mounting installation, saving you time and effort





SSA EB1 Series E-Stop push button

- Rugged design which helps create easy installation with no assembly or individual wiring required
- Easy to install
- Operating Temperature Range -25 to + 70°C





840-3056 Twist to Reset, NO/2NC

R6 497,65

ABB Panel Mount Emergency Button

- Modular Emergency Stop
- Mushroom 40mm
- · Red Non-illuminated







757-8897 Twist to Reset

R397,40

APEM Surface Mount Emergency Button

- Twist-to-reset action
- Non-illuminated
- · Double-pole, positive break switch







123-8167	Turn to Release, 2NC	R713,15
795-1289	Pull to Reset, NC	R575,00



417-5401 Twist to Reset, NC R752,46







Harmony XB4 Complete Pilot Lights

- Direct supply type will require separate purchase of appropriate BA9s incandescent lamp, neon or LED
- Transformer types are supplied complete with BA9s incandescent
- · LED types are complete with integral LED light block



Schneider

330-8925	Red	R458,82
330-8919	Green	R458,82
609-5701	Yellow	R456,96

RS PRO Panel Mount LED Pilot Lights

- Brighter than standard incandescent bulbs
- Very low power consumption
- Temperature range -25 → 55 °C





R5

763-7918	Green	R53,29
762-7000	Rod	DE3 20

Panel Mount Black Buzzer

- · Compact design for short installation time
- LED illumination integrated with continuous/flashing light/siren
- · Cable Terminal







835-2794 Round, 230V ac

SIRIUS ACT Push Button Head

- Self-holding function of the actuator when mounting
- Twist prevention integrated into patented holder design
- · Stackable contact modules





SIEMENS

874-1712	Red	R99,06
874-1689	Green	R99,06

Eaton Mushroom Head Push Button

- This versatile pushbutton features a diameter of 94mm
- · IEC418 tamperproof
- Durable, impact-resistant housing







XAC-A Pendant Control Stations

- · Pre-assembled pendants for common crane applications
- Shrouded, base-mounted, key release 'Stop' pushbutton
- Switching current 10A



Schneider

R796,80

340-695	6 Button	R6 302,66
746-8989	3 Button	R3 064,84
609-4455	2 Button	R1 925,47

R2386,88

R2 397,76

Preventa XY2 Series Grab wire switches with E-Stop

- Switches incorporate positive opening operation contacts, the tripping of the switch being made with positive action
- The switch latches in the tripped position (N/C safety contact(s) open). The function of the N/O contact is purely for signalling
- · Incorporates a reset button, which re-closes the safety contact(s), restarting of the machine must only be achieved by manual operation of a control device within the machine start circuit, remote to the trip wire switch







Schmersal ZQ700 Cable Switch

- Size of cable entry is M20 × 1.5
- Release pushbutton
- Position indicator





130-0872	30m, 2NC, NO	R3 330,80
130-0874	2 × 100m, 2NC, 2NO	R8 032,44
130-0885	70m, NC, NO	R5 617,37
130-0887	70m, 2NC	R6 133,05

IDEM Guardian Line GLS-SS Stainless Steel Safety Rope Pull Switches

- · Switch mechanism will latch the instant the safety contacts open
- Positive break contacts
- Rugged integral sealing bellows mean they can be high pressure hosed





6-4117	100m, 2NO/2NC	R5 16
6-4110	100m, 2NO/2NC, Straight	R5 60
K-LINR	100m 2NO/2NO Straight	Dt 00

S SCHMERSAL

741-8672 10m, 2NC, Straight

Telemecanique Sensors XY2-CH Cable Switch

- · Size of cable entry is PG13.5
- For machine tools, conveyers and handling applications
- Recommended distance between cable supports is 5m



826-4117	100m, 2NO/2NC	R5 160,37
826-4110	100m, 2NO/2NC, Straight	R5 605,21
826-4108	100m, 2NO/2NC, Straight	R4 992,47
826-4126	100m, 2NO/2NC, Straight	R9 254,19

742-3924	15m, 2NC, Straight	R3 264,6
609-1939	15m, 2NC, Straight	R3 347,9

ER Cable Switch With E-Stop

- · Long rope spans up to 80m means fewer number of switches required per application
- Tension indicator makes the system easy to set up and to maintain the proper rope tension
- · IP67 (NEMA 6) enclosure enables the switch to withstand water wash down cleaning





Banner RP-LM40D Cable Switch

- · Positive-opening safety contacts which are not dependent upon springs
- Heavy-duty die cast metal housing
- Suitable for demanding industrial environments





OMRON

757-9106 40m, NO/2NC, Straight R3 672.93

839-4577 6m, 2NC, NO/NC, Straight R3 051.78







General Purpose Momentary Foot Switch

- · Single pedal foot operated switches Durable and reliable with steel
- housing for long life
- Incorporates non-slip base pad and footpad









Harmony XPEA Plastic Footswitches

- Available with or without trigger mechanism in 1 or 2 step configurations
- Large surface area of pedal assures stability of foot and operator comfort
- High and wide protective cover accommodates both large size and safety boots



R781,98

537-5270	Without cover, 2 NC + 2 NO	R2 113,81
537-5315	With cover, 2 NC + 2 NO	R2 483,13
537-5337	With cover, 2 NC + 2 NO	R2 957,04

SP-CO, 3 A Contact Current, 250V Contact

IPS Series Emergency Stop Foot Switch

with Cover

- · Snap action switch with cover
- Visible operation
- Electrically separated contacts





825-1720 Momentary Contacts, NO/NC

R2 202.64

Light Duty Momentary Foot Switch

- Rust and corrosion proof reinforced polymeric construction for arduous use
- Non-skid base pad





SIRIUS 3SE2 Series Emergency Stop Foot Switch

- · Fixing holes for securing to the floor · Latching or momentary-contact
- Cable entry type is M20 × 1.5









011-6906 SP-CO, 15 A @ 250 V ac Contact Current, 250V Contact

R545,10



R5 873.31







- · Highly reliable and excellent quality.
- · Automatic or Manual start
- IP65/67 rated





127-8298	46 Beams, 30mm Resolution	R32 890,67
127-8305	16 Beams, 30mm Resolution	R17 361,71
127-8312	8 Beams, 30mm Resolution	R13 648,80

L4000 Light Beam Sender

- · Colour LEDs provide in-situ information on operational status
- Numerous areas of operational use, IP67 rated for outdoor applications
- and sub-zero operating capability · Nickel plated brass housing





SICK

701-2918 1 Beam, 10m Max Range

R2 265,05

Preventa XU2S Light Beam Sender & Receiver

- · Flexibility allows connection of up to 4 light beam devices which can protect a zone up to 1200mm high
- · Automatic self-checking every 5ms · Built-in muting function allows the light device to be inhibited by an external sensor







385-7578 1 Beam, 8m Max Range

P5 450 88





Did you know?

Safety light curtains are also known as safety light barriers or safety light screens. These optoelectronic devices are used to detect people present in the vicinity of moving machinery. Light curtains can be used as an alternative to mechanical barriers and other forms of traditional machine guarding. A set of light curtains contains a transmitter head and a receiver head. A transmitter generates an infra-red light between the two heads which acts as a detection zone. A movement detected within the detection zone initials the machine stopping procedure and automatically disconnect all hazardous machinery.

To reactivate the machinery, an operator has to press reset button that is positioned outside of the danger area. Some models are equipped with an auto-reset option that automatically starts machinery once the detection zone is free of obstacles. A response time of all light curtains is just a fraction of a second, it means that no other barrier type can compare to that.

Light curtains are great safety devices that are used to keep people safe around hazardous machinery which could cause them harm. They can help ensure user safety during routine operations like maintenance and repair.



Harmony XB5 Buzzer Beacons

- · Bezel material plastic
- Mounting diameter 22mm
- Continuous or intermittant tone



Schneider

167-9011	90dB, Red, 24 V ac/dc, IP66, IP67, IP69	R987,06
167-9014	90dB, Yellow, 24 V ac/dc, IP66, IP67, IP69	R987,06
167-9015	90dB, Yellow, 110 V ac/dc, IP66, IP67, IP69	R1 174,09

Klaxon Flashguard QBS Xenon Beacon

- The supply voltage is 12VDC/24VDC
- Ultra-low profile xenon
- Ease of installation with first-fix option on standard models





Werma BM 826 Incandescent Beacons

- The supply voltage is between 12VAC/12VDC and 240VAC/240VDC
- Bayonet lock fixing
- Optimised cap ribbing





(#) WERMA

365-9734	Green	R849,44
365-9728	Red	R840,15
365-9740	Amber	R839.78

Askari Compact White 32 Tone Electronic Sounder

- 32 tones, the tones are compatible with Roshni, Squashni and Flashni sounders
- Has a second tone for a two-stage alarm
- Easily accommodated and simple to install





klaxon

309-5972	Amber	R481,81
300-5764	Red	D701 L1

RS PRO Compact LED Beacon

- Providing excellent all-round visibility in all weather conditions
- x 4W LED provide a working life of more than 50,000 hours ensuring maximum reliability with minimum maintenance
- Fixing holes are directly accessible without needing to dismantle the unit





PATON Powering Besiness Worlds

530-5990 9 → 28 V dc, 97dB at 1 Metre, IP65

e2s SON4 Sounder Beacon

- Automatic synchronisation on multi-sounder system
- 3-stage alarm
- 3 level of volume control







907-5993 Amber

R1 238.43



192-9485 104dB, Red Xenon, 230 V ac, IP66

R1 990,93

R470,00

PKE IP67 Cable Mount 2P + E Closure Plug

- The Schneider Electric range of PratiKa Male straight cable socket suitable for numerous industrial applications.
- · Available in 16 A.
- · Snap-on fitting without stripping the wires, fast and reliable.
- Body with fast opening and closing system.
- Self-centring cable gland with integral cable clamp.



Life is On Schneider

219-8969 16A, 200 → 250 V

R458,37

PratiKa IP67 Blue Cable Mount 2P+E **Industrial Power Socket**

Female straight and sealed mobile sockets for cables, suitable for numerous industrial applications.

- Available in 16 A or 32 A.
- · Snap-on fitting without stripping the wires, fast and reliable.
- Body with fast opening and closing system.
- Self-centring cable gland with integral cable clamp.



SAVE 5%

Life Is On | Schneider

498-3757	16A, 230 V	R438,48
498-3814	32A, 415 V	R879,35
498-3820	32A, 415 V	R1157,59

IP65 Industrial Interlock Socket

The Schneider Electric Unika interlocked socket used 2P+E pole and 16 A of current. It has low voltage and 50/60 Hz of network frequency.





PratiKa IP67 Yellow Panel Mount

- The Schneider PratiKa Wander plug is a straight plug with operational current 16A for industrial use.
- · It provides robustness due to rigid cover"





Life Is On Schneider

209-1293	16A, 250 V	R2158,15
209-1295	16A, 415 V	R2577,14
209-1296	16A, 415 V	R2693,39

Life Is On Schneider

211-0517 16A, 100 → 130 V R1274,02

Angled Industrial Power Socket

- Female angled plug-in cable sockets suitable for numerous industrial applications.
 Available in 16 A or 32 A.
- Snap-on fitting without stripping the wires, fast and reliable."







498-3836 16A, 230 V R264,07 498-3858 16A, 415 V R263,82



Power Cord

- Integral 16 A rated lead
- Female to male
- · Right angle orientation
- Schuko plug to Schuko socket
- 5 m 25 m length cables"





116-108 10m R1500,40

Power Distribution Unit

- · Robust plastic, grey colour with black plastic end
- Built-in Type F German Schuko sockets (rotated 90)
- Extra large space between sockets: 64 mm
- Choice of 1.5 or 3 metre power cords
- · Increased touch protection"



123.7429 1.5m Cable

Trailing Socket

- These products are made of silver-ion based antimicrobial* material.
- This technology eliminates bacteria, fungi and viruses without creating any immunisation or resistance effects (physical, rather than chemical, destruction).
- Porticularly suitables for healthcare establishments (hospitals, clinics, nursing homes, laboratories, waiting rooms, etc.) and more generally for areas subject to hygiene restrictions (industrial, shared and restaurant kitchens, waste, etc.).
- These products offer an additional way of ensuring the non-proliferation of bacteria, fungi and viruses without interfering with cleaning protocols.



145-3026 3m Cable R2687,91



Fluke 393 FC CAT III 1500 V True-rms Clamp Meter

Delivers Safe, Fast Measurements in 1500 V DC Environments

The Fluke 393 FC CAT III 1500 V / CAT IV 600 V True-rms Clamp Meter with iFlex is designed for technicians who work in dc environments up to 1500 V: solar arrays, wind power, electric railways, data centers battery banks for uninterruptible power supplies.

The clamp will measure up to 1500 V dc, 1000 V ac, and up to 999.9 A dc or ac through the clamp jaw. The included iFlex flexible current probe extended ac current measurements up to 2500 amps.

This clamp has a thin jaw, giving you access to cables in crowded combiner boxes. Test leads are designed with your work in mind, and are also rated to CAT III 1500 V dc.

Fluke 393FC meets standard for photovoltaic panels (IEC 61730-1) and extends safe measurement range up to 1500 V DC.

Key Features & Benefits:

- Safe and accurate voltage measurement upto 1500V DC
- IP54 rating for dust and water making it ideal for work outdoors on solar arrays and wind power systems.
- · DC power measurement, showing readings in kVA.
- Audio and Visual Polarity to ensure photovoltaic panels are properly installed with the help of an audio beep and a light to indicate correct polarity.
- Visual Continuity that provides a bright green indicator light in the display for working in dark and noisy environments.
- · Logging, sharing and reporting of test results via Fluke Connect software.

ENHANCED SAFETY WITH CAT III 1500V RATING

Unparalleled safety with World's first CAT III 1500 V/CAT IV 600 V clamp meter. Comes with 1500 V CAT III insulated test leads.

RECORD, ANALYZE, SHARE RESULTS WITH FLUKE CONNECT® SOFTWARE

Log up to 65,000 data points on the device and download with Fluke Connect.



INCREASE PRODUCTIVITY WITH FLUKE 393FC.

Make DC power measurement quickly and accurately with a tool that does it all: V, A and Power (kVA). Ensure PV panels are properly installed with the help of an audio beep to indicate incorrect polarity. Visual continuity makes continuity testing easier in low-light situations.

RUGGEDNESS & RELIABILITY ARE INGRAINED IN FLUKE 393FC

Fluke 393FC clamp is sturdy with ingress protection (IP54) to support usage in outdoor environmental conditions. It also comes with a 25% thinner jaw than Fluke 37X Clamp meters, makes it easier and faster to take measurements in tight and overcrowded spaces. This new, improved design is durable, rugged and reliable and meets the stringent CAT III creepage and clearance requirements.

Shop the Fluke range at RS Online

za.rs-online.com/web/b/fluke





MPQ1000

Power Quality Analyzer

The Megger MPQ1000 Power Quality Analyzer is Class A compliant and rated CAT IV at 600V. It can be used for a wide variety of applications including substation monitoring, equipment and breaker tripping, load studies and balancing as well as for switchgear and component failure.

Some of its features include:

- Automatic CT recognition
- Automatic connection verification
- On-board data analysis
- SD card and USB stick support
- 1000 V ac and dc range
- Scope and DMM modes
- CATIV @ 600 V
- IEC61000-4-30 Class A compliant





Megger MIT310A, Insulation Tester

- Meets the relevant requirements of EN61557, BS7671, HD 384, IEC 364 and VDE 0413 for applications in all aspects of electrical contracting, building maintenance, testing, inspection and servicing.
- 20mm LCD display with true analogue response
- Automatic 200mA fast continuity test on connection to the circuit





Keysight Technologies U1461A Insulation Tester

- Adjustable test output voltage from 10V to 1.1kV
- · Automatic test report generation
- 4.5 digit full featured DMM with OLED display



Megger.

516-7704 MIT310A R11 910,23 **820-2976** 10

KEYSIGHT TECHNOLOGIES

820-2976 1000V, 260GΩ, CAT III 1000V

R24 041,46

R16 658,93

Megger MIT230, Insulation & Continuity Tester

Incorporates a range of safety and operation features in one of the smallest electrical insulation testers availablest lectrical insulation testers available that ICD offers a combination of digital readout and analogue display, with an analogue pointer response for evaluating circuit charge and discharge characteristics. Insulation testing to 1000 MQ





FLIR IM75 Insulation Tester

- Advanced Insulation Modes: Insulation Resistance up to 20 GΩ, PI, DAR, Earth Bond Resistance
- Multi-color LED indicator with
 Multi-color LED indicator with
- Multi-color LED indicator with Compare Mode makes pass/fail determinations easy and visible





Megger.

 535-3191
 MIT230
 R10 993,52
 877-7118
 1000V, 20GΩ, CAT III 1000V

Fluke 1577, Insulation Tester

- Safety first. Connect the insulation tester then keep yourself out of harm's way by monitoring your test measurements remotely
- PI/DAR timed ratio tests with TrendIt™ graphs to identify moisture and contaminated insulation problems faster
- Incorporates VFD low-pass filter for accurate variable frequency motor drive measurements



RS PRO RS5500 Insulation Tester

- · Large dual display with backlight
- Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V
- AC Voltage (40Hz to 400Hz)

TELEDYNE FUR







512-2492 FLUKE -1577 R17 583,50 **123-1931** 1000V, 2GQ, CAT III 1000V R2 285,75





IVP-1 Non Contact Voltage Detector

- Tip glows red and the audible sounder activates when a voltage is detected
- Locates breaks in cables
- · Detects blown fuses inside plugs or fuse holders







- Measure voltage without test leads as we know working in electrical boxes jammed with wires can be challenging when you're trying to find a safe metallic contact point.
- Now with Fluke's T6-600 or T6-1000 with integrated FieldSense technology you can quickly and easily take measurements by sliding the open fork over a conductor to see the voltage level without the need for test leads





123-3247 100V ac to 1000V ac

R320,45

FLUKE

146-2607 T6-600 R5 278,50 146-2605 T6-1000 R 7348,50

LED Voltage tester

- · Dual Sensitivity
- LED light with 100,000 hour life
- Detects from 90VAC to 600VAC



Gedore Non Contact Voltage & Magnetic **Field Indicator**

· Multi-functional, the VDE is a screwdriver. voltage finder and integrated magnetic field tester rolled all in to one. Users now have one tool to hand for checking and repairing magnetic pumps or valve

- Power-Grip and ergonomic handle
- Eliminates need to take switches and valves offline





FLUKE

033-6328 CAT IV 600V

R1 334,00

GEDORE

847-7739 Magnetic Field, Voltage

R1 337,14

Fluke T150, LCD Voltage tester

- The two-pole voltage and continuity testers is very rugged and easy to use, with an ergonomic design that feels secure in your hand even when wearing gloves.
- The model offers a choice of functionality and user interface for added user convenience.
- · 4 ways to indicate the presence of voltage – LED indicator, LCD display, audible tone or tactile feedback, always know if hazardous voltage is present



Fluke PRV240 Proving Unit

- · Single LED indicates functionality, making this unit a simple-to-use solution for verification of your test tool
- · Compatible with both, high impedance and low impedance multimeters, clamp meters or 2-pole testers
- · Provides a safe method to verify that your electrical test tool is operating properly before and after you conduct any live tests.



FLUKE

750-8444 T150 R3 732.45 FLUKE

881-2775 -10°C and 50°C R4 772.50







Fluke 320 series True-RMS clamp meter

- 400ohm resistance measurement
- True RMS AC voltage and current for accurate measurements on non-linear signals
- Operating temperature ranges between -10°C and 50°



Megger DCM305E Leakage Clamp Meter

- · 0.001 mA resolution
- Up to 100 A AC







FLUKE.

765-3660 400A ac, 400A dc CAT III 600V, CAT IV 300V R8 038,50 765-3658 400A ac, 600V ac CAT III 600V, CAT IV 300V R3 852.50

FLIR CM85 Bluetooth Power Clamp Meter

- Advanced power analysis and variable frequency drive (VFD mode).
- Designed specifically for industrial environments.
- Check exceedingly high voltage and current up to 1000V/1000A, both AC and DC.





Megger.

179-4710 100A ac CAT III 300 V

R6 644.48

R13 558,50

Fluke 376 FC True-RMS Clamp Meter with iFlex

- Measure around awkward sized conductors with the Fluke 376 True RMS Clamp Meter with iFlex®, expanding your measurement range to 2500 A AC.
- With True RMS voltage and current measurements, the Fluke 376 can read up to 1000 V and 1000 A in both AC and DC modes.



FLUKE.

848-1347 CM85 1000V/1000A R8 813,06

Fluke 773 Milliamp Process Clamp Meter

- Troubleshoot a live device without having to power down and possibly miss something going on in the process.

 • Measure 4 to 20 mA signals
- without breaking the loop
- Source/simulate 4 to 20 mA signals and provide loop power
- Source/measure DC voltage to verify power supplies or I/O signals
- Best in class accuracy of 0.2%
- Delivers 0.01 mA resolution and sensitivity



ICMA1 AC/DC Clamp Meter

914-5424 1kA dc, Max Current 1kA ac CAT III 1000 V, CAT IV 600 V

- 6000 Count large-scale LCD
- display with backlit AC-DC current measuring
- capability up to 300 \mbox{A}
- Automatically detect DCA/ACA with AC True RMS reading mode







669-3493 100mA dc

R40 583,50



R1 898,22



Fluke 1664FC Multifunction Tester

- Includes "Insulation Pre-test" that detects when appliances are connected to the system and stops the test
- Runs seven installation tests automatically in one sequence with a single connection through the auto test
- · Retrieve stored results from anywhere
- Performs fast voltage measurement between L-N, L-PE, and N-PE using the mains cord



FLUKE.

117-6667 50 V, 100 V, 250 V, 500 V, 1000 V , Earth Resistance Measurement With BLE, USB

R 56 338,50

RS PRO MT-6600 Multifunction Tester

- Test a variety of installation parameters
- 3.5 in TFT colour LCD display with 320 × 240 pixels
- Fast high current loop test







144-5338 1000V

R13 888,32

Megger LRCD220 Loop Impedance & RCD Combined Tester

- Non-trip loop tester
- RCD testing from 10 mA to 1000 mA
- Auto RCD testing (LRCD220)



1 0 0 decreased

Megger MFT1835 Multifunction Tester

- 3-terminal earth test and stakeless testing for spike resistance measurement
 Full input protection and safety warnings
- when a hazardous voltage is present
- Internal memory and Bluetooth communication





Megger.

712-5749 Test Type 2 Wire 500V, RCD Test Type AC

R19 567,72

Megger. 704-0487 1000V

R30 853,95



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FLUKE 117 Handheld Digital Multimeter

- VoltAlert Technology for integrated
- non-contact voltage detection
- AutoVolt feature for automatic AC/DC voltage selection
- LoZ: Low input impedance to eliminate stray voltage



Keysight Technologies U1242B Handheld Digital Multimeter

- 10,000 count dual display
- Overmold body casing
- Up to 0.09% basic DCV accuracy



FLUKE

616-1460 10A ac 600V ac 10A dc 600V dc

R7 118,50

699-7351 10A ac 1000V ac 10A dc 1000V dc

KEYSIGHT

R6 503,32

RS PRO RS14 Digital Multimeter

- · Compact and handheld
- Digital 2000 count LCD display
- Functions measured: AC and DC
- Current, AC and DC Voltage, Resistance, Temperature Measurement





Fluke 179 Handheld Digital Multimeter

- Built-in thermometer to measure temperature without having to carry a separate instrument
- Accurate true-RMS AC current and voltage plus frequency, capacitance, resistance, continuity and diode measurements
- EN61010-1 safety standard compliance to Cat IV 600V, CAT III 1000 V, CAT IV 600 V



温

123-1938 RS14 Autoranging

R722,42

FLUKE. 394-4492 100kHz

R9 188,50

DM285 Handheld Digital Multimeter

- A built-in 160 × 120 resolution thermal camera sensor visually guides you to an electrical problem
- Performs 18 measurement functions including True RMS, VFD mode, LoZ, NCV, and more
- Thermocouple input & test leads





RS PRO IDM98IV Handheld Digital Multimeter

- Measures capacitance, voltage, electrical current and resistance with diode and continuity check.
- Has an LCD display where the measurement readouts can be viewed with 6000 count digital display and 62 segment bar graph.
- CAT IV rated for 600V and CAT III rated for 1000V.







168-1355 10A ac 1000V ac 10A dc 1000V dc

R15 758,00



873-2360 IDM98IV

R1 812,89

RS PRO 88 Piece VDE Approved Electricians Tool Kit

- · This versatile tool kit has VDE certified screwdrivers and pliers, individually tested for use up to 1000 V ac
- The kit also contains additional extras including sockets, spanners, bit sets, extension bars, hex keys, insulated screwdrivers and VDE pliers in various sizes ensuring that you are covered for a range of applications





RS PRO 1/2 in Insulated Ratchet Handle

- Featuring injection moulded Nylon 11 insulation that bonds with the tool to offer maximum protection and longer life
- The unique Nylon 11 insulation makes the tools a great choice when working in intense climates and the most difficult conditions







734-8885 88 Piece

R5 130,10

911-1471 300 mm Overall Length R2 976,83

CK VDE Plier & Screwdriver Tool Kit with Pouch

- · A 10 piece VDE set of Pliers & Screwdrivers from CK that is supplied in a durable zipped storage wallet
- The kit contains Redline VDE pliers and Dextro VDE screwdrivers that guarantee a safe working limit of 1000 V
- An ideal starter tool kit or great to upgrade your tool box with premium quality CK pliers & screwdrivers





KnipexVDE Cable Knife

- · Insulated and tested in accordance with VDE, 1000 V
- · No damage to wire insulation
- Sickle-shaped stainless steel blade with tipmounted guide shoe







910-7239 10 Piece

R3 800,70

KNIPE

460-9538 180 mm Overall Length

R1 087,49

Knipex VDE Insulated Chrome Vanadium Steel Combination Pliers

- · Cutting edge 60HRC
- Chrome vanadium steel jaw
- · Insulated with two-colour dual component handles





RS PRO 0BA Hexagon Nut Drive

- 150 mm stud clearance
- · Each tool is injection moulded
- Nylon 11 insulation







158-5300 180 mm Overall Length

R647,94



911-1503 104 mm Blade Length

R603.96







Sibille TTCLO Electrical Safety Mat

- Maximum operating voltage 1000 V ac
- · Insulating mat class 0
- Made from elastomer





Knipex Electrical Safety Mat

 For added protection when working live or close to live parts







918-2489 1m x 1m x 1.5mm

R2 512,07

665-4640 1m x 1m x 1mm

R5 080,33

RS PRO Anti-Slip Electrical Safety Mat

- · Ribbed Surface offers traction under foot
- Resistant to acid, oil and low temperature
- Ideal for use in front of switchboards and high voltage equipment



Facom Electrical Safety Mat

- Professional 3.2mm thick rubber insulating mat provides safety for operatives against electrical shocks
- Ideal for use in front of switchboards and high voltage equipment
- Tested to 20,000V







790-3007 1m x 1m x 5mm

R4 902,79

=) FACOM

032-1130 600mm x 1m x 3.2mm

R3 528,36

Bahco Anti-Slip Electrical Safety Mat

- · Valid for use up to 5000V AC
- Protects against earth connection when operating live systems
- Complies with EN10204-3.1





SAM Electrical Safety Mat

 Used to isolate the operator from conductive elements such as floors and walls





688-0455 1m x 1m x 20mm

R7 652,31

221-2736 600mm x 1m x 3mm

R3 660,59

RS PRO FACILITIES MAINTENANCE

RS PRO Lockout Kit

- Designed for multipurpose protection, the kit features 24 different products for employee safety, all neatly stored in a tough carrying case
- The carrying bag itself has internal pockets for storage of the smaller products, a handle and shoulder carrier for ideal portability





RS Pro Access Keypad

- · Die-cast Aluminium
- Dimensions: 123(H)x77(W)x64(D)mm
- Backlight keypad







862-5247 24 products

R4 504,72

774-8162 20+1 PIN codes

R2 630,88

RS PRO Dustpan and Brush Sets

- Manufactured out of high quality plastic this dust pan and brush set is an excellent choice light cleaning
- Soft bristles sweep up light dirt and debris with ease
- The rubber lip of the dustpar assists with the collection of dirt





- · Brushed stainless steel
- · Flush mount
- · 19mm brushed stainless steel button (flush)

Press To Exit Button Stainless Steel







056-0791	Blue	R118,37
056-0789	Red	R118,37
898-8214	Yellow	R107,98
898-8210	Green	R111,30



741-8278 Stainless Steel

R601,80

Plastic Silver Bucket With Handle

- · This simple and effective cleaning caddy makes light work of carrying cleaning materials and equipment
- The hygienic and easy to clean carry caddy features two compartments to efficiently organise cleaning materials



RS PRO All Weather Steel Padlock

- · Laminated steel body for superior strength
- Hardened steel shackle for superior cut resistance
- Pin tumble structure for great pick resistance test







790-6882 Silver R206,47



827-4401 47mm R195.74



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Over 1,000 NEW products added to the range!

Discover to keep your business running, under one brand, at the price and quality you expect. Shop janitorial, cleaning, lighting, site safety solutions - batteries, tool kits, PPE and much more.



Creating a more hygienic workplace doesn't stop at the washroom

Placing hand sanitiser and signage in breakrooms and common areas is a step in the right direction. But studies show it simply isn't enough to make a real impact. Targeting "hot spots" with hand and surface hygiene, is a key step toward reducing the spread of germs. Objects that are touched by lots of people throughout the day — such as doorknobs, elevator buttons and copiers — should be cleaned and disinfected daily in order to help break the chain of germ transmission.



Cleaning vs Sanitising vs Disinfecting – what's the difference?



Cleaning

removes germs, dirt, and impurities from surfaces or objects. Cleaning works by using soap (or detergent) and water to physically remove germs from surfaces. This process does not necessarily kill germs, but by removing them, it lowers their numbers and the risk of spreading infection.



Sanitising

lowers the number of germs on surfaces or objects to a safe level, as judged by public health standards or requirements. This process works by either cleaning or disinfecting surfaces or objects to lower the risk of spreading infection.



Disinfecting

kills germs on surfaces or objects. Disinfecting works by using chemicals to kill germs on surfaces or objects.* This process does not necessarily clean dirty surfaces or remove germs, but by killing germs on a surface after cleaning, it can further lower the risk of spreading infection.

* Non-Food Contact Surfaces

Clean AND disinfect frequently touched surfaces daily.

Step 1:

Clean the surface of commonly touched objects — use detergent or soap and water prior to disinfection.

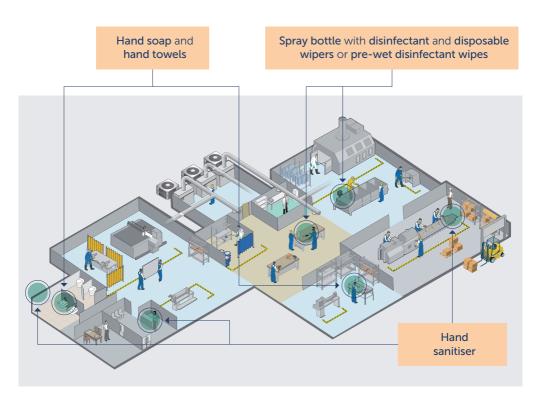
Step 2:

Disinfect the surface — use disinfectants approved by local regulatory authority. Follow manufacturer's instructions for application and dwell time.



Clean these hot spots to help reduce germs in manufacturing facilities

No matter which surfaces they come in contact with throughout their day, give your employees and visitors greater peace of mind by providing proven cleaning and disinfecting solutions to help break the chain of germ transmission.





In the span of 24 hours, the average adult touches 7.200 surfaces and touches their face 552 times2.



Nearly 95% of surveyed adults did not wash long enough to clean the bacteria and germs from their hands.4



Research has shown that water fountain spigots can have 19 times the amount of bacteria as a toilet seat.3



It is recommended by the CDC that PPE be worn when using chemical disinfectants for cleaning.5

- 1. Zhang, N., Li, Y, and Huang, H., 2018. Surface touch and its network growth in a graduate student office. Indoor air, 28(6), pp. 963-972.
- 2. A frequent habit that has implications for hand hygiene Kwok, Yen Lee Angela et al. 2015. American Journal of Infection Control, Volume 43, Issue 2, 112 114
- 3. https://www.nsf.org/consumer-resources/studies-surveys-infographics/germ-studies/germiest-places-schools
 4. Borchgrevink, C.P., Cha, J. and Kim, S., 2013. Hand washing practices in a college town environment. Journal of environment of the control of the cont
- 5. CDC.gov/coronavirus/2019-ncov/prevent-getting-sick/disinfecting-your-home
- ation contained here are recommended best practices, and do not supe









Kimberly Clark Scott® Max Hand Towels Rolled

- 6 × 304 m blue, 1 ply roll (1,824 m total)
- · High capacity, super-compressed roll for less frequent refilling
- Made using our unique Airflex Technology.
- Soft, strong & highly absorbent, even when wet.
- Food Contact certified and Ecolabel certified Perfect for busy washrooms and food preparation areas.





887-2721 Blue 198 × 200mm R5834.87 887-2727 White 198 × 200mm D5834.87

Kimberly Clark Plastic White Wall **Mounting Paper Towel Dispenser**

A smart, white, water-resistant wiper dispenser that is perfect for maintaining hygiene in laboratory, healthcare δ General work areas. Easy to refill, keep Clean δ maintain. Compatible with a large range of wipers δ hand towels."





270mm x 380mm x 260mm 766-615

to protect rolls against cross-contamination - this robust lockable toilet roll dispenser is ideal for busy washrooms.

R1215.20

Kimberly Clark 12 rolls of 9996 Sheets **Toilet Roll**

 Scott® Control™ centrefeed toilet roll is designed to minimise risk where washroom hygiene and contamination control is a priority. With the twin roll enclosed system dispense single 2 ply toilet paper sheets, reducing toilet tissue run out and wastage and meaning you only touch the sheets you us

217-5592 12 Toilet Rolls x 833 Toilet Paper Sheets







217-5591 464mm x 133mm x 274mm

Kimberly Clark White Plastic **Toilet Paper Dispenser** Choose the Aquarius™ twin centrefeed toilet roll dispenser for maximum hygiene and efficiency. The most hygienic toilet paper dispenser versus the competition - fully enclosed



R789,15

Kimberly Clark Joy Kleenex Joy Foaming Hand Cleaner

 6 × 1000ml CassKleenex® Botanics™ foam hand cleansers are designed to support hand hygiene standards and create an uplifting washroom experience. Safe for sensitive skin, our most luxurious hand soap ever, enriched with white lily and rose extracts, leaves users feeling soothed, revitalised and hands moisturised.









1234518 R3629,11



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Together we create exceptional workplaces by making them healthier, safer, more productive.







KIMTECH*



RS PRO Black & Yellow Safety Barrier

- · Retractable belt stanchion with brake
- · Belt colours: black and yellow
- Stanchion colours: black and yellow
- · Can be used both outdoors and indoors"



RS PRO Spill Kits

- Spill kits or spill response kits are an essential part of spill clean-up and usually contain absorbent sheets, pads, socks and waste bags that are used in the containment and clean-up of spills and leaks to avoid damage to equipment or avoiding injury through slipping.
- These types of kits can also be used for emergency response spill applications or as a precautionary measure"



771-6468 Oil Spill Kit R967.90	771-6462	Chemical Spill Kit	R1025,71
7710400 011001111111	771-6468	Oil Spill Kit	R967,96

174-5906 Retractable Barrier 2m

RS PRO Spill Control for Industrial Storage Tray

- This RS PRO spill tray can accommodate 60 litres of liquid and is versatile enough to be used across a wide range of spill management applications
- Made from polyethylene, the tray has a smooth finish that is easy to clean and lasts longer than other counterparts when exposed to the elements or harsh environments
- The polyethylene construction is corrosion-free and hardwearing, perfec t for industrial applications
- The moulded, low profile design and shallow depth of the drip tray makes it easier to catch drips, leaks and spills.



RS PRO Hazard Tape

- One roll has sufficient length to designate a large area
- Made from non-adhesive durable
- polyethylene which prevents tearing

 Bold characters on the bright background is designed to attract attention and provide a warning message that is clear and visible



		866-074	Men Working	R1813,46
893-0384 601	R3032,64	866052	Danger - High Voltage	R1699.97

R4930.83

RS PRO TE-W Thermal Imaging Camera

- It provides a long-distance and non-contact method of scanning and monitoring body temperat and identifying temperature abnormalities, especially in areas with high footfall volume where it may not be possible to check individual temperatures using a thermometer
- In addition to this, the black body technology provides an increased measurement accuracy of ≤0.3 °C which is essential for human body temperature measurement
- Thermal images are displayed on the large, 640×480 pixel TFT screen, producing superior image quality and making the results easy to read
- The high-quality device features a video output function which can be connected to a larger display screen for a more permanent, check point-like set up



201-2635 +20→+50 °C R86720,05



SAFETY IN NUMBERS.
OUR RANGE
OF PPE.

The huge range of RS PRO PPE products means you'll always find what you need to stay safe.





Workplace accidents can be devastating to manufacturers, so a sensible safety strategy and collaborative relationship with suppliers is essential

Original Equipment Manufacturers (OEMs) are a significant part of the manufacturing sector, producing unbranded goods to be sold on by other companies. As you'd expect, when employees are in close proximity to automated machinery, moving parts and electrical devices, they must be suitably protected.

According to Jimmy Quinn, President of the Institution of Occupational Safety and Health (IOSH), workplace safety should be at the heart of a company's business strategy. "Safety and health are key to the success and sustainability of businesses. If you look after your people, the returns on this investment are extremely significant," he says.

"Safety and health are key to the success and sustainability of businesses. If you look after your people, the returns on this investment are extremely significant"

Jimmy Quinn, President, Institute of Occupational Safety and Health

There are plenty of reasons to persuade manufacturers to invest in health and safety – legislation, which if broken could lead to punitive fines, potential personal lawsuits from injured employees, not to mention the damage to a company's reputation.

Quinn says the COVID-19 pandemic has focused attention on health and safety for the whole workforce. "Around the world, our members have helped their businesses and the clients they work with implement measures which ensure the risks of virus transmission are managed.

"They are also managing the risks of mental health and wellbeing and, with many people working remotely, ensuring employees aren't at risk of suffering with musculoskeletal issues."

Contributors

Brendan Free

Industry Sector Manager, RS Components

Brendan has worked for RS for over 10 years, starting as a National Account Manager and moving to Industry Sector Manager in September 2015. He is responsible for the portfolio management of some of the UK's largest manufacturing, transportation and defence companies, helping customers understand and develop their MRO strategy.

Jimmy Quinn

President, Institution of Occupational Safety and Health (IOSH)

During a 24-year career in the British Army, Jimmy attained the rank of Warrant Officer and trained as a Health and Safety Advisor/Trainer. After leaving the Army he worked on a number of health and safety projects before joining Babcock International PLC as a HSE Trainer and Advisor before becoming a Health and Safety Manager for a large Middle East transport group. A Chartered Fellow of IOSH and a member of Chartered Institute of Building, Jimmy is also a Fellow of the Chartered Management Institute. He is also Vice-Chair of the IOSH Construction Group.

Read more news and articles on driving MRO efficiency at

CONNECTED THINKING

rs-connectedthinking.com



Employee safety

Brendan Free, Industry Sector Manager at RS Components, agrees. "Workplace safety is extremely important in the OEM sector – the companies in this sector are ultimately responsible for the employees' safety, so they need to take this very seriously," he explains. "This is a sector with a number of risks, so it's well worth the investment in safety equipment and training if it prevents a serious accident.

"The OEM sector has a number of risks, so it's well worth investing in safety equipment if it prevents a serious accident"

Brendan Free, Industry Sector Manager, RS Components

"Typical risks that employees at OEM manufacturers come up against are working with machinery and also electricity – if engineers are repairing equipment and the power is switched back on there could be serious consequences," he adds. "As such, some of the most common safety devices we provide customers with are lock-out switches that stop colleagues from accidentally turning on a machine under repair."

IOSH emphasizes the importance of good operational practices in maintaining a safe and healthy working environment. Safety should be designed in from the outset in all manufacturing processes, they say.

Quinn believes that one of the lessons from the pandemic has been the importance of having trained safety people. "As businesses learn to manage the risks of COVID-19, there has been growing recognition of the importance of the role occupational safety and health professionals play," he says.

Free is a firm believer in working collaboratively with OEMs so that they can find solutions that actually meet their needs. "We try to work closely with companies to identify the specific risks that they face in their business and then offer safety equipment that protects their employees," he says. "We have one customer who we provided with a particular voltage testing device, which they tried and approved, but they wanted to change one of the leads in the box to a higher specification. We were happy to reconfigure that through our trade counter because it meant the customer had the level of equipment they needed."

Poor buying choices

Another area of workplace safety that Free and Quinn agree is a cause for concern is the desire to cut costs when purchasing safety equipment. Since the 2008 recession the IOSH has seen more companies making poor buying choices, particularly around Personal Protective Equipment (PPE) such as hard hats, gloves and boots.

"Quality is the number-one priority when it comes to safety equipment"

Brendan Free, Industry Sector Manager, RS Components

"When a company is purchasing a highly expensive piece of plant equipment, they will make sure it's the real thing, that it meets safety standards," Ho says. "But when it comes to gloves, hard hats, face masks and other smaller items, there is a tendency to go with the cheapest option. The wrong safety equipment could cost a life and end up hugely damaging a business.

"We've seen plenty of situations where inappropriate safety wear has been responsible for terrible accidents."

Free believes that the price of safety equipment should never be the only consideration. "It's simple. Quality is the number one priority," he states. "Cost is not irrelevant, but should only come into the equation once you've established that you are comparing between equipment of equal quality.

"Our sector teams understand the industry as a whole, what's happening in terms of legislation affecting safety and also the individual needs of particular manufacturers – that helps us collaborate with companies to find the safety equipment to fit their actual needs," he adds. "We also work closely with equipment manufacturers to understand new technology so that we can make OEMs aware of better solutions as they come onto the market."

Fantech Automatic Steel Hand Dryer

- Automatic IR sensor
- 360° nozzle rotation
- Dries in 15 seconds (approx.)







181-8938 240mm x 212mm x 270mm R12 112,45

Floral Flex Hand Cleaner

- Light floral aroma leaves hands smelling clean
- Hygienically sealed to eliminate the risk of cross contamination
- Delivers up to 1,625 hand washe



Tork Plastic Black Counter Top Paper Towel Dispenser

- Our slim, hygienic Tork Xpress paper towel dispenser for the Countertop is the ideal dispensing solution for smaller spaces
- Ideal for low to medium traffic washrooms
- Cost-effective and efficient to use due to individual towel removal and easy topping-up







146-2802 500 ml Cartridge

R279,30

202-8522 116mm x 218mm x 323mm

R1 330,44

Scott® Xtra Hand Towels

- 3600 Sheets
- One clip of large multifold paper towels contains 240 Z fold hand towels.
- Efficient, large folded paper towels for reliable everyday hand drying.
- Efficient and effective hand drying that creates less waste thanks to the Airflex™ Technology in these paper hand towels







161-2535 315 × 200mm R2 902,30





Office First Aid Kit

- The W Sohngen wound cleanser sterile sachets made of non-woven tissues, which are saturated in a wound cleansing liquid
- The tissues are packed in a well-sealed foil, which prevents leakage and guarantees sterility.
- Intended for mechanical cleansing of minor wounds when clean tap water is not available.







233-6793 R491,58

Break Glass Call Point

- Green MCP, double pole, surface mounted with glass
- · Break glass operation
- Unique plug and play concept saves installation time





Accident Report Book

- Accident book has a total space for 53 incidents to record on A4 book
- · Quick and easy to record accidents
- Folder includes useful guidance notes for completing and storing accident records









513-6946 Emergency Release Call Point

R883,77 787-3694 A4

R220,28

Briton Fire Door Push Bar

- Suitable for single doors up to 2500mm high x 1300mm wide
- Self-handed- will suit both left and right handed doors
- Additional security provided by anti-thrust device to prevent leverage from socket





187-7160 2-Point R4 255,52

Plastic Fire Exit Right Non-Illuminated **Emergency Exit Sign**

- Green/White
- 150 mm X 300mm



Plastic Road Traffic Sign

- Shatterproof
- PVC









370-1526 Fire Exit Right

R324,07

Chart

261-1006 H450 mm W450mm

R934,39

Red Safe Conditions Label

- 75 mm x 55mm
- Vinyl





Electrical Safety at Work Safety Wall

- Charts withstand grease and dirt
- Wipe clean easily
 Material 0.7mm Semi-Rigid PVC except where stated







434-2033 Pack of 5

R195,62

763-2121 600 mm x 420mm

R721,28

CCTV in Operation Sign

- · Environmentally friendly and durable
- 1.2mm Polypropolene





Danger Live Electrical Equipment

Dual-message sign to warn of live electrical equipment and a mandatory message for safe working or faults





763-1516 300 mm x 400mm

R496,26



763-1711 150 mm x 300mm

R224,16



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Facom Carabiner Stainless Steel

- · Stainless steel construction with excellent corrosion resistance
- Quick and easy to attach or detach
- tools and other equipment
- Perfect for working at height to reduce injury and damage or loss of tools







Ergodyne Plastic (Buckle) Tool Lanyard **Hard Hat Attachment**

- · Comfortable high stretch elastic material
- Easily attaches to hard hats and other headwear
- · Quick connect clamp attaches securely to fabric







E FACOM

910-3350 60mm R146,55



151-2985 0.9kg Capacity

R144,57

Bahco Polyester Tool Lanyard

- Maximum work-load sew-in warning tag
- Fully extended length of 120cm
- Non-removable carabineer



Knipex Tethering System Set

- · Content includes; x1 tether, x3 adapter straps and x2 carabiners
- Reliably prevents the tool from falling
- Prevents loss of the tool and damage









767-3245 3kg Capacity

R625,86

(NIPE)

136-7458 Hook-on Lanyard Set

R1 337,65

Nylon Tool Lanyard Wrist Strap

- Fabric webbed black toolyards with PVC fastening buckle
- Prevents tools from being dropped when working at height or in hazardous situations
- · Adjustable barrel lock for attaching tools



Tape Measure Trap

- 1200D and 600D polyester main material
- Hook and loop straps secure tape measure inside trap for safe and easy tethering
- · Zinc-plated cast alloy D-Ring









707-7293 Small/Medium



R53,25

151-2957 0.9kg Capacity

R452,56

Uvex Safety Goggles Ultravision 9301

- · Features a comfortable and ergonomic design and offers unrestricted side visibility.
- This flexible wide-vision goggle is also suitable for use as overspecs and is available with cellulose acetate or polycarbonate lenses, as welding safety spectacles or with a flip-up face guard
- · Reliable UV 380 protection.
- · Ultravision.





JSP Black Short Peaked Safety Cap

Stylish baseball cap design
Unique angled adjuster allowing for
one-handed size adjustment
One size fits all – cap can be adjusted from 53cm to 64cm diameter HDPF





uvex

185-3495 Clear Lenses

R274.36

(JSP)

824-5425 HDPE Protective Material

R176,92

Uvex PHEOS Guard S Anti-Mist UV Safetu Glasses

- With its modern, fashionable looks, the uvex pheos is a goodlooking accessory at work
- The heart of the glasses is the duo-spherical lens that does not just offer a wide field of vision, but is also particularly scratch-resistant
- Features an anti-fog interior thanks to the high-quality uvex supravision coating technology.
- · Anti-Mist UV



RS PRO Navy Standard Peak Bump Cap

· From RS PRO, comes a high-quality navy bump cap. Manufactured to industry standards and featuring an innovative design, these bump caps are a fantastic part of PPE (personal are a tandastic part of PPE (personal protective equipment) which can be utilised across many applications providing protection in areas where there are risks of obtaining a minor head bump or laceration on the head.





uvex

195-1557 Grey Polycarbonate Lens, Vented

R125,69

171-6850 ABS Protective Material

R388.67

3M Virtua Anti-Mist UV Safety Glasses

- Virtua Protective Eyewear in a lightweight, unisex design
- · Wrap-around lens provides superior protection and unobstructed view
- Entry level eyewear that is ideal for visitors & temporary workers



3M Anti-Mist Safety Goggles with Clear Lenses

- · 3M Fahrenheit Goaales with a soft PVC frame and clear poly hard coat lens
- · Specially designed to fit with prescription glasses, dust mask or respiratory half-mask
- Aerodynamic shape with cylindrical lens for 180o of distortion-free vision





774-3925 Clear Polycarbonate Lens



R1 049,81



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Ansell Edge Black Polyurethane Coated Polyester (Liner) Work Gloves

- Excellent dry & wet grip enhance dexterity and reduce hand fatigue
- · High-visibility cut liner acts as an indicator for when
- glove is cut as chemical protection is compromised



Ansell Hyflex 11-840, Black Nitrile Coated **Nylon Work Gloves**

- HyFlex 11-840 Nitrile Foam Glove Extreme durability and superior fit
- The ultra-thin FORTIX™ nitrile foam coating (patent pending) lasts up to three times longer than comparable coatings
- Provides enhanced dry grip and is 20% more breathable than earlier formulations



Ansell

181-3323	Size 8	R34,99
181-3325	Size 9	R35,48
81-3326	Size 10	R33,51

Ansell

791-7514	Size 8	R151,37
791-7523	Size 9	R153,92
791-7526	Size	R154,57

Ansell Alphatec Green Nitrile Coated Work Gloves

- Excellent dry & wet grip enhance dexterity and reduce hand fatigue
- High-visibility cut liner acts as an indicator for when glove is cut as chemical protection is compromised



Ansell Hyflex 11-501 Blue Nitrile **Coated Kevlar Work Gloves**

- · Cut level 4 glove
- Superior wearer comfort and flexibility
- Heat and molten splash protection
- · Versalite use





Ansell

179-3085	Size 8	R510,80
179-3086	Size 9	R510,80
179-3087	Size 10	R510,74

Ansell

667-9775	Size 8	R630,55
667-9778	Size 9	R630,55
667-9772	Size 19	R614,56

Ansell Alphatec Black Nitrile Coated Nylon Work Gloves

- 5 gauge seamless nylon liner
- · Retains minimal heat, reducing perspiration
- · Exellent grip wherever chemicals, oil and grease are present
- · Liquid proof glove
- · Safety cuffs
- · Colour edging for size identification

Ansell Activarmr Black Nitrile Coated Kevlar Work Gloves

- ActivArmr® Multipurpose Medium Duty Glove
- DuPont™ Kevlar® provides protection and durability
- · Reinforced ridges offer extra palm protection
- · Enhanced wet or dry grip with foam nitrile coating





Ansell

749-7066	SIZE 8	R432,47
749-7060	Size 9	R431,79
749-7079	Size 10	R432,15

Ansell

+84-174	SIZE 8	R117,89
+84-180	SIZE 10	R119,17

RESPIRATORY PROTECTION

3M 6000 Full Mask Respirator

- These full mask respirators are a reliable and convenient solution to potentially hazardous work environments.
- Highly versatile, the masks can be used wherever there is a danger of harmful particulates, vapours or fluid splashback.
- · The mask features full-face coverage with a unique center adapter to direct exhaled breath and moisture downward.





3M HF-800 Half Respirator Mask

- The worlds first 4-way airflow filter system used in a reusable half-mask respirator that offers simple, comfortable and offers effective protection.
- Protection against particulates and a range of gases and vapours is only possible when used with approved 3M™ Secure Click™ cartridges and filters.
- Suitable for a broad range of industrial applications, the innovative comfort features help to ensure that the respirator is worn consistently over long periods.





286-7164 6700 / 800 / 900

R3 403,72

R1 609,07

R16 111,86

3M 6500 Half Respirator Mask

- · This reusable half face respirator mask helps to provide protection against particles, gases and vapours when used with an approved cartridge or filter.
- · It's vitally important when in an environment that has harmful gases to uphold your safety and health.
- Reusable as the cartridges and filters can be exchanged or disposed once used to capacity.





3M Speedglas 9100 FX Flip Up Welding Helmet

- · Easy to operate and maintain.
- Has multiple adjustments for highest comfort on Shield and head band
- Can be used together with many Reusable and Maintenance Free Respirators for welding.





815-4168 6500

R677,42

218-0762 9100

FT30 Bitter Testing Kit

· 3M Qualitative Fit Test Kits, Sweet (FT10) and Bitter (FT30),Each kit includes:One hood & collar assemblyTwo nebulisersOne 55ml bottle of sensitivity solutionOne 55ml bottle of test solution (Replacement bottles of test solution are available)



3M 7500 Half Respirator Mask, Medium

- · Ready made kit with a reusable half face respirator mask and an A2P3 filters helps to provide protection against organic vapours and particulate hazards
- The 4277 respirator mask features twin lightweight filters, which can be specialised to suit your individual needs
- · Fitting the respirator is easy with the head cradle with two neck straps.



666-7696 A2P3 R Filter

R1 777,99



448-1784 Kit R4 633,16









3M PELTOR Optime III Ear Defender with Headband

- · Designed for use in extremely tough and noisy environments.
- Provide high levels of attenuation, particularly with sound dominated by low frequencies.
- Combine comfort and wearability with functionality for improved efficiency within your workplace operations.



3M PELTOR X3A Ear Defender with Headband

- Offer the perfect blend of Peltor $\ensuremath{^{\text{TM}}}$ standards through an attractive, straightforward design.
- Combine comfort and wearability with functionality for improved efficiency within your workplace operations.
- · The soft wide cushions are made from an innovative foam that has great energy absorption and helps to reduce pressi around the ears and improve comfort.



3M Peltor"

449-6499 33dB R694,15

R772,59

3M E.A.R Soft Yellow Neons Uncorded Disposable Ear Plugs

- These E-A-R Soft disposable earplugs are a fast and effective solution to hearing protection in the workplace.
- They are made from a slow expanding foam, which helps with providing low pressure inside the ear canal creating a comfortable and secure fit.
- The high-visibility yellow neon colour allows the user to locate them when working or be aware when someone is using earplugs, and may have advantages in food preparation areas where quality control is essential.



778-5225 33dB



3M E-A-R"

358-4141 36dB R1 229,07

3M PELTOR Optime III Ear Defender with Neckband

- · Specifically designed for heavy noise as they combine effective protection with the ultimate comfort.
- The soft wide cushions are made from a foam that has great energy absorption and improved comfort.
- The safety of the Optime ™ III is based on the innovative double cup technology, which minimizes resonance inside the capsule and provides maximum high-frequency insulation.



3M E.A.R Soft Yellow Neons Corded Disposable Ear Plugs

- These E-A-R Soft disposable earplugs are a fast and effective solution to hearing protection in the workplace.
- They are made from a slow expanding foam, which helps with providing low pressure inside the ear canal creating a comfortable and secure fit.
- · The high-visibility yellow neon colour allows the user to locate them when working or be aware when someone is using earplugs, and may have advantages in food preparation areas where quality control is essential.





3M Peltor"

449-6528 35 Db R719.99 385-1687 36dB R2 332.92

3M E-A-R"

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ŖΕ

Helly Hansen Oxford Black Composite Toe Capped Unisex Safety Boot

- Provides durability & comfort with a wide, roomie fit & soft, plush underfoot cushioning.
- The metal free composite toe cap so puncture resistant plate protect you from job site hazards so nubuck leather so Waterproof membrane keeps you warm, dry so comfortable.
- Primaloft insulation & YKK zipper complete this Winter work boot.



RS PRO Honey Steel Toe Capped Mens Safety Boots

- If you need high-quality footwear for work, turn to hese Honey safety boots from RS PRO.
- They feature steel midsoles and toe caps to protect your feet from water, heat and injuries from penetration by sharp or pointed objects.
- These boots have honey-coloured premium nubuck upper and mesh lining to make them breathable and ethylene-vinyl acetate (EVA) cushioning and soles to provide you with heel energy absorption.





216-7952 UK 7.5, EU 41

739-7856 UK 10, EU 44

R1 773.83

RS PRO Black Fibreglass Toe Capped Womens Safety Boots

- Introducing fibreglass toecap safety boots from RS PRO, a range of high quality 100% non-metallic safety boots ideal for use in environments that require protective footwear.
- These lightweight and comfortable boots feature a water repellent smooth black design with a protective fibreglass toecap
- For enhanced protection, the boots feature a composite anti-penetration flexi-midsole that protects the foot from any sharp hazardous objects penetrating from underneath.



R4 247,41



8888 Blue Disposable Visitor Shoe Cover

- · Composition: polyethylene, welded blue
- Thickness : 20μ (+/-10%)
- Size: 36cm x 15cm (+/-10%)





R1 161,19

205-9685 One size

R185,51

DeWALT Cutter Mens Black Toe Capped Safety Trainers

- Traditional steel toe cap trainers to protect your feet in hazardous environments but are designed for comfort.
- The mesh and leather upper ensures they remain lightweight, flexible and give you that casual style look and also make you feel like you are just wearing normal trainers.
- The padded collar and tongue ensure these cutter safety trainers are comfortable to wear and also have a antibacterial comfort inner sole.

201-1572 UK 5, EU 38



Reldeen Black/Blue Insole

- Features a polyurethane injected foam insole for use with any footwear, for added comfort and to help reduce fatigue in the feet.
- Black nylon coated mesh insole
- Anti-static when worn with appropriate footwear.





797-5529 UK 10, EU 44 R2 330,39 **234-8173** Large R14,21



RS PRO Yellow Men Hi Vis Jackets

- · High visibility
- · Weatherproof
- · Reflective tape marking





918-5983	Large	R1 899,02
918-5992	Xlarge	R1 893,20
918-6005	Medium	R1 868,97
918-6009	Large	R1 893,20
918-6018	Xlarge	R1 894,71
918-6011	XXLarge	R2 003,61

RS PRO Black Gel Adjustable Strap Knee Pad

- One size, gel filled
 Comfortable, extra thick
- support round the knee
- Single neoprene strap prevents chafing











Coat

- Designed for using within an ISO 5 cleanroom or laboratory environment.
- Disposable and made from a high-density polyethylene fibre.





829-5237 Unisex

R266,74

3M White Disposable Coverall

- · This protective overall creates a lightweight and comfortable solution to skin protection in the workplace.
- Designed to protect against light hazards, it is suitable for a variety of applications where worker protection is paramount.
- These versatile and easy-to-use protective overalls are employed in many industries as a cost-effective solution to workplace PPE.







465-9369 One Size

R1 080,68 185-7210 XL

Hyflex Black Reusable Polyethylene Cut **Resistant Arm Protector**

- Engineered to perform with any HyFlex cut-resistant gloves





- · Durable and lightweight
- Manufactured from nylon Hook and loop fastenings
- for easy adjustment









130-1061 16in One size

R175,05

015-4857 34 → 38in



R516.05

R294,49

Protect your team. Protect your productivity.

Statistics like lost working days don't reveal the full impact of a workplace injury. Production, productivity and morale can all be affected, so when it comes to choosing the right safety equipment, it doesn't pay to cut corners.

Choose from our extensive range of workplace safety solutions from leading global brands and specialist manufacturers. We have thousands of items that are always in stock, so why shop anywhere else...



Personal Protective Equipment

- · Gloves
- · Head Protection
- · Goggles
- Workwear & Overalls
- Boots
- Masks
- · Ear Protection
- Fall Arrest



Safety Signage &
Site Safety Equipment

- Hazard & Warning Signs
- · Safety Barriers
- Mirrors
- · Fire Extinguishers
- Tethered Tools
- Work Platforms
- Floor Mats, Anti-Slip & Hazard Marking



Electrical Safety

- Portable Appliance Testers
- · Installation Testers
- Voltage Testers
- Electrical Warning Signage
- Lockouts
- · Lockable Isolators



Machinery Safety & Guarding

- Guarding & Fencing
- · Light Curtains
- Emergency Stops
- Interlocked Safety Switches
- Safety Relays
 Controllers
- · Beacons & Sounders

RS Components SA

Phone us: +27 (11) 691 9300

Email: sales.za@rs-components.com

No.20 Indianapolis Street, Kyalami Business Park, Midrand, South Africa

