



# Volt Stick®

Non-contact Testers

The market leading **Volt Stick** is the original compact non-contact tester to check for the presence of an AC voltage in cables, wall sockets, fuses, circuit breakers and junction boxes.

Safe and easy to operate, simply apply the **Volt Stick** close to the area to be tested and, where a voltage is detected, the red light indicator clearly illuminates.

## The complete Volt Stick range:



- 230Y
- 110
- LV50
- EX230
- EX110
- SOUND
- PRO230
- PRO12
- Magnet Stick
- Magnet Stick EX

## Volt Stick 230:

The original and still the best, **Volt Stick** is the instrument for safely checking for the presence of an AC voltage, without making any disconnections in cables, wall sockets, fuses, circuit breakers, junction boxes, etc. No current flow is needed for correct operation.

The red indicator in the tip will illuminate on detection of AC voltage simply by applying the tip close to any connection point, or moving it along any insulated cable.

All **Volt Stick** models are fully approved to IEC 61010-1, CAT III 1000v AC and CE.

**Is yours??**

### Applications:

- Locates breaks in cables
- Detects blown fuses inside plugs or fuse holders
- Distinguishes between live and neutral wires in both single and three-phase supplies
- Identifies voltage-carrying cables in junction boxes
- Identifies faulty in-line switches
- Locates defective in-series light bulbs
- Optimised for 230v AV



(Actual size)

## Volt Stick SOUND: with buzzer!

Identical to the **Volt Stick** 230 but now featuring a detection buzzer for even greater clarification. Also ideal for 'detection around corners', in bright daylight and in awkward out of sight areas.

High visibility green tube for ease of identification if dropped or hidden in the toolbox. Optimised for 230v AC.



## Volt Stick PRO230:

The unique **Volt Stick** PRO 230 now features a unique 'shielded' fork tip for highly selective and accurate testing for presence of AC voltage in single core cables or wires. Ideal for use with cable bundles in trunking or conduit. Optimised for 230v AC.



## Volt Stick PRO12:

12v AC version now also available!



## Volt Stick 110:

This high sensitivity version of the **Volt Stick** provides instant, non-contact checking for the presence of AC voltage down to 110v, without making any disconnections in cables, wall sockets, fuses, circuit breakers, junction boxes etc.

This 110v version is ideal for construction site temporary supplies and, of course, for use in mains testing in the USA.

- Special flat tip for use on US-style sockets
- Optimised for 110v AC



**new!**

## Volt Stick Proving Unit:

This newly-developed Proving Unit has been specifically designed to test the functionality of the **Volt Stick** 230v range and LV50. The instrument internally generates a 220 ~ 240v source when the tip of a Volt Stick is inserted into the test portal of the Proving Unit.

Always test the operation of the Volt Stick with the Proving Unit prior to use and immediately following use to ensure the Volt Stick is operating correctly.

- Suitable for use on Volt Sticks with a 4mm diameter tip that works on 220 ~ 240v, 50/60Hz AC supplies. (Not suitable for PRO12, PRO 230 and I 10v models).



## Magnet Stick:

The **Magnet Stick** provides safe and simple checking for the presence of magnetism.

Upon testing and without metallic contact, the lamp lights immediately where there is a magnetic field (e.g. an activated coil in a solenoid valve). Equipment can be tested without having to switch it off and magnetic coils can often be tested through their protective cover, saving hours of dismantling time.

The **Magnet Stick** responds to all kinds of magnetic fields from alternating or direct current, to permanent magnets.

### Applications:

- Testing operating solenoid valves in pneumatic and hydraulic control equipment
- Testing relays with coils and electrically-controlled solenoid valves in all types of vehicles and machines
- Testing solenoid valves when servicing oil burners



**'A must-have tool for plumbers, refrigeration engineers and car mechanics'**

## IECEx & ATEX Approved Intrinsically-safe versions

### Volt Stick LV50:

**EEx ib IIC T4**  
Nemko 03ATEX 1456, IECEx NEM 07.0001,  
NEMKO 0470

#### THIS PRODUCT COULD SAVE YOUR LIFE!

This high sensitivity version (testing down to 50v) is also intrinsically-safe, making it an essential 'life-saver' testing tool for utilities engineers as well as for use in hazardous areas such as chemical plants, oil refineries, off shore rigs and explosive environments.

Used as a safety device to make sure metallic surfaces, pipework and cables are safe from potentially lethal voltages, the LV50 has already been specified by many leading utilities suppliers as mandatory kit for all engineers.

- IECEx and ATEX approved voltage indicator for use in explosive environments
- Voltage indicator with safety handguard to avoid unintentional contact with live conductors
- Voltage range 50 ~ 1000v AC
- Insulated for safe use



### Volt Stick EX110 & EX230:

**EEx ib IIC T4**  
Nemko 03ATEX 1456, IECEx NEM 07.0001,  
NEMKO 0470

The intrinsically-safe EX110 & EX230 are ATEX approved for use in hazardous areas such as chemical plants, oil refineries, off shore rigs and explosive environments.

For features please see standard **Volt Stick 110 & 230** models opposite.



### Magnet Stick EX:

**EEx ib IIC T4**  
Nemko 03ATEX 1457, NEMKO 0470, EEx-  
ib11CT4

The ATEX-Approved version of the **Magnet Stick** for use in hazardous areas such as chemical plants, oil refineries, offshore rigs and explosive environments.

For features see standard **Magnet Stick** above.





**new!**

## DMM 902, DMM 903 & DMM 904 Pocket-Sized Multimeters

A handy, pocket-sized everyday meter for every engineer, with the added benefit of a built-in **Volt Stick** and torch.

Despite their small format, these instruments have a very high safety approval (CAT IV 600v, CAT III 1000v). They are protected against overloading by an electronic fuse. When not in use, the test probes can be parked at the rear of the instrument body.

### Features:

- LCD display with backlight
- Built-in non-contact AC voltage detector plus flashlight
- Measures voltage, resistance, diode function & continuity
- Double-moulded case
- CAT III 1000v, CAT IV 600
- Auto-ranging with auto power off
- Silicone test leads
- Protective holster



Extremely compact meters

### Specifications:

Model	DMM 902	DMM 903	DMM 904
Display	2000-count	2000-count	4000-count
DC Voltage Ranges	0.1mv ~ 600v		
AC Voltage Ranges	1mv ~ 600v		
AC/DC Current	-	0.1µA ~ 200mA	0.1µA ~ 200mA
Resistance	0.1Ω ~ 20mΩ	0.1Ω ~ 20mΩ	0.1Ω ~ 40mΩ
Capacitance	-	-	1pF ~ 200µF
Frequency	-	-	0.001Hz ~ 10KHz
Measuring Rate	2 per second		
Dimension	104(H) x 54(W) x 36(D) mm		
Weight	145g		
Power Supply	2 x AAA 1.5v batteries (inc)		
Approvals	CAT III 1000v, CAT IV 600v		
Safety Standards	EN 61010-1, CE, Pollution Degree II		

All DMM models are autoranging and have diode test, continuity buzzer, auto power off and ion battery indicator.



**new!**

## SMM 202, SMM 203 & SMM 204 Smart Multimeters

Smart multimeters that automatically know what to measure. If there is a voltage, the multimeter measures the voltage. If there is resistance, it measures resistance. Quite simply SMART.

SMM-202 and SMM-203 have smart measurement functionality, while SMM-204 also has an option for manual measurement selection, functions such as diode testing, continuity buzzer and capacitance measurement, can be selected at the touch of a button. All instruments feature automatic shutoff to conserve battery life.

Instruments are supplied with batteries and thin, flexible silicone-insulated leads.

### Features:

- Voltage AC/DC 0 ~ 600v (SMM 202, 203 & 204)
- Current AC/DC 0 ~ 4A (SMM 203 & 204)
- Resistance 0 ~ 40m Ohm (SMM 202, 203 & 204)
- Buzzer (< 100 Ohm) (SMM 204 only)
- Capacitance 0.01nF ~ 4000 uF (SMM 204 only)
- Hold and Min-Max functions (SMM 204 only)

### Specifications:

Model:	SMM 202:	SMM 203:	SMM 204:
Display	3 3/4 Digits, 4000 Counts, Updates 3sec		
AC/DC Voltage Ranges	0 ~ 500v		
AC/DC Current	-	0 ~ 4A	0 ~ 4A
Ohm	0Ω ~ 40mΩ		
Diode Test	-	-	Yes, approx 2.8v
Buzzer	-	-	Yes < approx 100Ω
Capacitance	-	-	0 ~ 4000µF
Max Voltage	Between any terminal and earth ground 600v RMS		
Overload Indication	"OL" displayed in top right of the LCD		
Dimension	161(H) x 84(W) x 30(D) mm		
Weight	210g	210g	215g
Power Supply	2 x 1.5V AA alkaline (included)		
Safety Standards	Standards of IEC61010 Pollution Degree 2		