

Safe Isolation and Voltage Indication

Non-contact Voltage Tester



The VT2 is a non-contact voltage tester for accurately detecting the presence of AC voltages between 200V and 1000V. When voltages are detected, the VT2 will automatically illuminate its tip by use of a bright red LED, giving quick and clear indication. It will indicate approximately 4mm from a conductor at 240V AC, making it ideal for tracing live circuits within cable containment and for voltage detection in sockets and junction boxes. On/off switch for maximum battery life. The pen-shaped design with clip makes it ideal for carrying in a pocket or tool belt when working at height or in difficult to access locations.

ACCESSORIES
TC2A calibration

CAT III
1000V

VT2

Indication range: 200V-1000V AC, 50Hz-60Hz

Voltage sensitivity: indicates 4mm approx. from a conductor at 240VAC

Supply: 2 x AAA batteries (included)

Weight: 48g (incl battery)

Dimensions: 170 x 19mm

Conforms to: BS EN 61010-1

Non-contact Voltage and Magnetic Field Tester



The VT3 is a non-contact voltage and magnetic tester for accurately detecting the presence of AC voltages between 200V and 1000V. When voltages are detected, it will automatically illuminate its tip with a bright red LED, giving quick and clear indication. On/off switch to stop battery consumption.

In addition to its voltage detection capabilities, it shows the presence of a magnetic field by illuminating a green LED in the tip section.

ACCESSORIES
TC2A calibration

CAT III
1000V

VT3

Indication range: 200V-1000V AC, 50Hz-60Hz

Voltage sensitivity: indicates 4mm approx. from a conductor at 240VAC

Magnetic sensitivity: >10mT

Supply: 2 x AAA batteries (included)

Weight: 48g (incl battery)

Dimensions: 170 x 19mm.

Dual Sensitivity Non-contact Voltage Tester with Torch



This IP64 rated non-contact voltage tester has two sensitivity ranges for accurately detecting the presence of AC voltages. The first will detect voltages between 50V and 1000V and the second will indicate voltages between 12V and 1000V.

The VT4 indicates voltage by illuminating the tip section with a red LED and a buzzer. The pen-shaped design with clip makes it ideal for carrying in a pocket or tool belt when working at height or in difficult to access locations. There is also a useful LED torch which illuminates the area in front of the tip.

ACCESSORIES
TC2A calibration

CAT IV
1000V

VT4

Indication Ranges:
12V-1000V AC
50V-1000V AC
50Hz-400Hz AC

Supply: 2 x 1.5V AAA batteries (included)

IP rating: IP64 to BS EN 60529

Dimensions: 155mm length, approx. 25mm diameter

Weight: 55g

Safe Isolation and Voltage Indication

Non-Contact Voltage Tester Comparison Table

	AC Voltage Range	Magnetic Field Detection	Frequency Range	LED Indication	Audible Indication	Self-Test	High Resolution
VT2	200-1000V	–	50-60Hz	✓	–	–	–
VT3	200-1000V	>10mT	50-60Hz	✓	–	–	–
VT4	12-50V 50-1000V	–	50-400Hz	✓	✓	–	–
TEK100	100-600V	–	45Hz-1kHz	✓	✓	✓	–
TEK101	180-600V	–	45Hz-1kHz	✓	✓	✓	✓
TEK200	100-600V	>10mT	45Hz-1kHz	✓	✓	✓	–

TEK100

Voltage range: 100 to 600V AC

Frequency range: 45Hz-1kHz

Temperature: -5 to 40°C

Integrated self test proving function

Sensitivity: registers at 3mm for 110V, 50Hz, 23mm for 240V, 50Hz (distances are from the tip of the device to a flat PVC twin core and earth cable suspended in free space)

Indication: visual: LED (red) and audible tone (3kHz) - voltage present. LED (green) - battery ok

Overvoltage: CAT III 1000V
CAT IV 600V

Power: 9V alkaline battery, MN1604 or equivalent (included)

Housing: flame retardant ABS

Weight: 120g approx. (incl battery)

Dimensions: 205 x 36 x 25mm

Includes: 9V PP3 battery, instructions

Safety: BS EN 61010-1
CAT IV 600V (TEK100 & TEK100/YE)
CAT IV 1000V (TEK101)
Class II, double insulation
BS EN 61326-1

Non-contact Voltage Indicator

The Pocket sized TEK100 is simple to use and can detect AC voltages without requiring physical contact with the conductor. The presence of any voltage between 100V and 600V AC will generate an audible tone, together with a red LED visual indication.

It has a unique built-in proving device which improves safety and saves time on-site. The integral self-test activates the sensor in the tip of the tester at 50Hz as well as checking the battery and LED, testing the entire circuit, not just the indicator LED.

The TEK100 is packaged in a tough ABS housing and is suitable for a wide range of residential, commercial and industrial applications

The only non-contact detectors with a built-in proving device that really proves the entire circuit.



ACCESSORIES
TC2A calibration



**CAT IV
600V**

Safe Isolation and Voltage Indication

Non-contact Voltage Indicator - High Resolution



The Martindale TEK101 is a simple to use non-contact voltage indicator with both audible and visual warnings and an extended probe tip for access to confined spaces. Optimised for identifying energised conductors at voltages within the range 180V to 600V AC, it incorporates a unique built-in 50Hz proving unit which tests the sensor operation, battery and LED. The TEK100 Series of voltage indicators are the only non-contact voltage detectors with a built-in proving device that really proves the entire circuit is fully functional avoiding the need for a separate proving unit.

The tip design and optimised sensitivity make it possible to discriminate between adjacent live conductors where standard non contact voltage indicators struggle. The high resolution capability of the TEK101 improves safety and saves time on-site. The pocket sized design conforms to CAT IV 1000V safety regulations.

ACCESSORIES
TC2A calibration



TEK101

Voltage range:

180V to 600V AC rms

Frequency range: 45Hz to 1kHz

Temperature: -10°C to 40°C.

Humidity (Operating & Storage):
≤ 85% RH

Sensitivity: Typical Sensing Distances for Energised Cables at 50Hz

Cable Type at 230V

Flat 1mm² twin & earth - 3mm

Flat 2.5mm² twin & earth - 3mm

Round 1.5mm² - 2mm

Indication: visual: LED (red) and audible tone (3kHz) - voltage present. LED (green) - battery ok

Power: 9V, PP3 alkaline battery (IEC 6LR61, NEDA 1604A) included

Weight: 120g (incl battery)

Dimensions: 205 x 36 x 25mm

Safety: BS EN 61010-1
CAT IV 600V (TEK100 & TEK100/ YE) CAT IV 1000V (TEK101)
Class II, double insulation
BS EN 61326-1

Non-contact Voltage & Magnetic Field Tester



Detects the presence and polarity of magnetic fields produced by indicators, relays, solenoids and transformers.

The integral self-test activates the sensor in the tip of the tester at 50Hz as well as checking the battery and LED. This proves that the unit is fully functional and avoids the need for a separate proving unit.

In addition, this unit incorporates all the capability of the TEK100 voltage indicator detailed overleaf, producing a versatile instrument in a slim and ergonomic ABS housing.

ACCESSORIES
TC2A calibration



TEK200

Voltage range: 100 to 600V AC

Frequency range: 45Hz-1kHz

Sensitivity: registers at 3mm for 110V, 50Hz, 23mm for 240V, 50Hz (distances are from the tip of the unit to a flat 1mm² PVC twin core and earth cable suspended in free space)

Magnetic sensitivity: 10mT

Frequency range: 0 to 30kHz

Self test proving function

Indication:

LED (green) and audible tone (3kHz) - South Pole Magnetic
LED (red) and audible tone (3kHz) - North Pole Magnetic

Operating temperature: -5°C to 40°C

Overvoltage: CAT III 1000V
CAT IV 600V

Power: 9V alkaline battery, MN1604 or equivalent (included)

Housing: flame retardant ABS

Weight: 120g approx. (incl battery)

Dimensions: 205 x 36 x 25mm