

VT3

NON-CONTACT VOLTAGE & MAGNETIC INDICATOR

- Visual & audible indication between 200 - 1000V AC
- Magnetic indication
- Fits in your pocket
- Non-slip finger grip

Robust design
Drop proof to 1.5m
BS EN61010 CAT III 1000V



GENERAL SAFETY INFORMATION: Always read before proceeding.

Warning

These instructions contain both information and warnings that are necessary for the safe operation and maintenance of this product. It is recommended that you read the instructions carefully and ensure that the contents are fully understood. Failure to understand and to comply with the warnings and instructions can result in serious injury, damage or even death.

In order to avoid the danger of electrical shock, it is important that proper safety measures are taken when working with voltages exceeding 30V AC rms, 42V AC peak or 60V DC.






This product must only be used by a competent person capable of interpreting the results under the conditions and for the purposes for which it has been constructed. Particular attention should be paid to the Warnings, Precautions and Technical Specifications. Always check the unit is in good working order before use and that there are no signs of damage to it. Do not use if damaged.

Where applicable other safety measures such as use of protective gloves, goggles etc. should be employed.

Please keep these instructions for future reference. Updated instructions and product information are available at: www.martindale-electric.co.uk

REMEMBER: SAFETY IS NO ACCIDENT

MEANING OF SYMBOLS:

-  Equipment complies with relevant EU Directives
-  End of life disposal of this equipment should be in accordance with relevant EU Directives
-  Caution - risk of danger & refer to instructions
-  Caution - risk of electric shock
-  Equipment protected by double or reinforced insulation (Class II)

Thank you for buying one of our products. For safety and full understanding of its benefits please read this manual before use. Technical support is available from 01923 441717 and support@martindale-electric.co.uk.

1. INTRODUCTION

1.1 Inspection

Examine the shipping carton for any sign of damage. Inspect the unit and any accessories for damage. If there is any damage then consult your distributor immediately.

1.2 Battery Installation

Refer to Section 4.1 (battery replacement) for the battery installation instructions for the VT3.

2. PRODUCT SPECIFIC SAFETY INFORMATION

Overvoltage Category III (CAT III) is for equipment intended to form part of a building wiring installation. Such equipment includes socket outlets, fuse panels, and some mains installation control equipment.

2.1 Precautions

This product has been designed with your safety in mind, but please pay attention to the following warnings and cautions before use.

Warning

Before use check the unit for cracks or any other damage. Make sure the unit is free from dust, grease and moisture.

Warning

Do not use if the battery cover is not fitted.

⚠ Warning

Always test this unit on an appropriate proving device or known voltage source before and after using it to determine if a hazardous voltage exists in a circuit to be tested.

⚠ Warning

If the indicator does not illuminate, this does not necessarily mean the circuit under test is dead. For example the mains voltage could be <200V.

⚠ Warning

Testing for a voltage that exceeds the specified limits of the unit may damage the unit and expose the operator to a shock hazard. Always check the unit's specified limits before use.

⚠ Warning

Always keep your fingers behind the finger guard.

⚠ Caution

Avoid severe mechanical shock or vibration and extreme temperature.

⚠ Caution

Remove the batteries when not in use for an extended period of time, to avoid corrosion from leaking batteries.

3. OPERATION

3.1 Testing for AC Voltage

Turn on the tester by pushing the on/off button until it is flush with the body.

Taking all necessary safety precautions apply the probe tip to the area you wish to test for voltage.

From some directions the neutral and earth conductors in cables will shield the live conductor, so it is important that a cable is explored from all directions. When testing multi-core cables for the presence of voltage always run the tip of the VT3 along a short length of the cable to overcome the effect of the twist in the conductors.

When an AC voltage is detected the sensor tip will illuminate red and the buzzer will sound.

Switch the tester off when not in use to conserve battery power.

⚠

Be aware that if the tip does not illuminate, hazardous voltage could still be present.

The tester will illuminate to indicate active voltages when in the presence of electrostatic fields. If the field strength is low the tester may not illuminate. This could be due to factors such as:

- ◆ Low mains voltage (<200VAC)
- ◆ Shielded wire/cables
- ◆ Thickness and types of insulation
- ◆ Distance from the voltage source.

Also low batteries could be a cause so always test this unit on an appropriate proving device or known voltage source before and after use.

3.2 Testing for Magnetic Fields

Turn on the tester by pushing the on/off button until it is flush with the body.

Taking all necessary safety precautions apply the probe tip to the area you wish to test for a magnetic field.

When a magnetic field is detected the sensor tip will illuminate green.

Note: Due to the nature of magnetic fields and the technology used in the VT3, it may be necessary to adjust the orientation of the tip sensor for a good indication.

4. MAINTENANCE

4.1 Battery Replacement



3. Fit 2 new 1.5V AAA batteries. Replace the battery cover.

Note: Do not mix old and new batteries.

4.2 Cleaning

The unit may be cleaned using a soft dry cloth. Do not use moisture, abrasives, solvents, or detergents, which can be conductive.

4.3 Repair & Service

There are no user serviceable parts in this unit other than those that may be described in section 4. Return to Martindale Electric if faulty. Our service department will quote promptly to repair any fault that occurs outside the guarantee period.

Before the unit is returned, please ensure that you have checked the unit and batteries.

4.4 Storage Conditions

The instrument should be kept in warm dry conditions away from direct sources of heat or sunlight, and in such a manner as to preserve the working life of the unit. It is strongly advised that the unit is not kept in a tool box where other tools may damage it.

5. WARRANTY AND LIMITATION OF LIABILITY

This Martindale product is warranted to be free from defects in material and workmanship under normal use and service. The warranty period is 2 years and begins on the date of receipt by the end user. This warranty extends only to the original buyer or end-user customer, and does not apply to fuses, disposable batteries, test leads or to any product which, in Martindale's opinion, has been misused, altered, neglected, contaminated, or damaged by accident or abnormal conditions of operation, handling or storage.

Martindale authorised resellers shall extend this warranty on new and unused products to end-user customers only but have no authority to extend a greater or different warranty on behalf of Martindale.

Martindale's warranty obligation is limited, at Martindale's option, to refund of the purchase price, free of charge repair, or replacement of a defective product which is returned to Martindale within the warranty period.

This warranty is the buyer's sole and exclusive remedy and is in lieu of all other warranties, expressed or implied, including but not limited to any implied warranty of merchantability or fitness for a particular purpose. Martindale shall not be liable for any special, indirect, incidental or consequential damages or losses, including loss of data, arising from any cause or theory.

Since some jurisdictions do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to every buyer. If any part of any provision of this warranty is held invalid or unenforceable by a court or other decision-maker of competent jurisdiction, such holding will not affect the validity or enforceability of any other provision or other part of that provision.

Nothing in this statement reduces your statutory rights.



Specification
VT3 Non-contact Voltage &
Magnetic Indicator



Voltage range: 200V to 1000V AC rms

Voltage sensitivity: Indicates approx 4mm from a conductor at 230V AC rms

Frequency response: 50Hz to 60Hz

Magnetic sensitivity: $\pm 10\text{mT}$

Temperature & Humidity:

Operating: -10°C to $50^{\circ}\text{C} \leq 80\%$ R.H.

Storage: -10°C to $60^{\circ}\text{C} \leq 80\%$ R.H.

Power: 2 x 1.5V AAA batteries (included)

Dimensions: length 170mm, diameter 19mm approx.

Weight: 48g approx (batteries included)

Safety: Conforms to BS EN61010-1 CAT III 1000V
Class II Double Insulation
Pollution Degree: 2

EMC: Conforms to BS EN61326

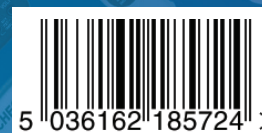
VT3

NON-CONTACT VOLTAGE & MAGNETIC INDICATOR

Non-contact voltage and magnetic indication from 200 to 1000V AC. Checks for presence of AC voltages in wall sockets, cables, circuit breakers, luminaires and many other places.

A red light illuminates the tip and the unit gives an audible signal when AC volts are detected. A green light illuminates to show the presence of a magnetic field. Ergonomic design with safe, non-slip finger grip.

Safe, easy to use and small enough to fit in your pocket.



2 YEAR WARRANTY
INSTRUCTIONS INSIDE



Made in the Philippines

www.martindale-electric.co.uk

MARTINDALE
● ● ● **ELECTRIC**

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