Test & Measurement
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Fluke 2AC Voltage Detector

2AC is the latest addition to the VoltAlert™ ac non-contact voltage tester family from Fluke and is designed to be pocket-sized and easy to use. The 2AC tests for energized circuits and defective grounds, for an electrician. The tip of the pocket-sized tester will glow red when within close proximity of an outlet, terminal strip, or power cord where voltage is present.

Ea Technology Polarity Test Pen Kit

This self-testing kit comprises of two parts – a Polarity Test Pen™ plus a Test Pen Checker™, which automatically confirms that the pen is working correctly by simulating the electrical field produced by a live conductor. It is designed to give electrical engineers total confidence when looking for live conductors, particularly in bundles of cables and crowded enclosures.

Junior Testoscope

- Live Conductors
- Correct Earthing
- To check if Switch wired on Live or Neutral wire
- To indicate A.C. Current
- Leakages and "Earths"
- Conduit or Lead Covering not Effectively Earthed
Seaward Tri Tester

- Conforms to UK Electricity Council Engineering Recommendations G9
- Fuse Protected
- Interchangeable bent ends for hard to reach test points
- Eliminates false reading from induced voltage and “pick-up”
- No moving parts or batteries
- Easy viewing under all lighting conditions
- Voltage indication capabilities: 50V-200V, 200V-300V, 300V-600V AC/DC
- Cable length: 1.7m

Cyclim Test Lamps

Voltage level across probes indicated by brightness of test bulb Easy access with slender moulded-in stainless prods
Angled probe end available for difficult corners Robust construction for industrial & domestic use
Lightweight (215gms) & pocket sized (235x100mm) Supplied with shockproof EVA wallet and user instructions

Easy Phase Finder

- LED indicators of live phase
- Audible tone when phase is detected
- Fully drop proof from 2 metres
- Push self-test
- BSEN 61010
- Construction and finger guard configuration give full conformance with latest Euronorm safety standards
Drummond MTL 10

The John Drummond MTL10 gives safe indication of voltage between 50V and 500V AC and 50V to 750V DC. The robust design meets the recommendations of the Health and Safety Executive in their guidance notes on the electrician’s test lamp (GS38) as well as complying with BS EN61243-3 and BS EN61010, CATIII 1000V and CAT IV 600V.

Drummond MTL 20

The new Drummond MTL20 test lamp safe voltage indication from 50 - 500V AC / DC. In addition to the MTL10, the new model MTL20 incorporates two test buttons, one on the body of the unit and one on the probe. Simultaneous depression of both buttons enables the unit to draw a high current, allowing the user to differentiate between phantom voltages and hazardous persistent voltages.

Drummond Proving Unit

The Martindale PD690 is a 700V AC proving device, designed to enable voltage indicators to be fully checked in compliance with Health & Safety recommendations. Using a voltage indicator without first proving it is working correctly could prove fatal.
Martindale Buzz It Socket Tester

- 2 year warranty
- Finds 28 faults
- Drop proof
- Easy to use
- Instant results
- Audible signal

Martindale Check Plug

The CP501 Check Plug is a fast and easy way to ensure that 13A electrical wall sockets are wired correctly. High brightness neons indicates faults.

Martindale EZ150 E-Ze Check Xtra Earth Loop Impedance Indicator

An earth loop indicator with voltage and wiring checks.

Conventional indicators have the weakness that only tell you if the earth is connected, they don't tell you how safe it is.

Martindale's new T-Safe™ technology gives safe, earth loop impedance checking within carefully selected bands without tripping the RCDs.

- Non-trip earth loop test
- Voltage test
- Socket test
- T-Safe™ technology
- Identifies faults other checkers can't
Fluke 117 Multimeter

Fluke 114 Multimeter
- AutoVolt automatic ac/dc voltage selection
- Low input impedance helps prevent false readings due to ghost voltage
- Work in poorly lit areas with the Large white LED backlit display
- Resistance and continuity
- Record signal fluctuations using Min/Max/Average
- Integral holster with probe holders for easy storage
- Auto and Manual ranging
- CAT III 600 V safety rated
- Optional TPAK magnetic hanger allows the user hands-free flexibility

Martindale PSI4000 Non Contact Phase Sequence Indicator
An unique non-contact phase rotation indicator that carries out measurements via inductive crocodile clips. The increased safety design of this phase rotation tester allows for use on both insulated and non-insulated conductors with a buzzer and bright LED’s giving clear indication of clockwise or anti-clockwise phase rotation. There is also an Enhanced Brightness switch for clear indication in strong ambient light. The Martindale PSI4000 is supplied with 4 x AA batteries, soft carry case and manual.
Phase Rotation Meter K8031F

- Phase rotation indicator designed to check the presence of open phase and phase sequence by rotating disk lamps
- Can check the phase rotation on a wide range of 3 phase power sources from 110V to 600V AC
- Colour coded to confirm with both old and new EU colour regulations
- Fused leads with screw-in crocodile clips for safety
- Ideal for 3 phase electrical systems
- Manufactured by Kyoritsu in Japan

Non Contact Phase Rotation Meter 8035F

- NEW technology improving safety.
- Unique ability to test without direct contact between probes and live wires.
- Insulated croc clips can clip cables from Ø2.4 to 30mm.
- Phase rotation is indicated by rotary illumination of LEDs and logical audible tones.
- Wide measuring range for three phase installations, from 70V to 1000V AC.
- Magnet on rear allowing for fixing to a metal panel.
- Complies with IEC61010-1 CAT IV/600V and Cat III/1000V

Fluke 323 Clamp Meter True RMS

- 400 A ac current measurement
- 600 V ac and dc voltage measurement
- True-rms ac voltage and current for accurate measurements on non-linear signals
- Resistance measurement up to 4 kΩ with continuity detection
- 30mm Max Wire Dia
Martindale Large Jaw 1000a Clamp Meter

The CM84 AC clamp meter is suitable for both domestic and industrial use for installation, testing and maintenance. As well as measuring AC current and DC current up to 1000 A, it can measure AC voltage up to 750 V and DC voltage up to 1000 V.

57mm Conductor Dia

Fluke i Flex Probe

Fluke’s I2500-10 is a unique solution for carrying out current measurements. Flexible, extremely easy to use and ideal for use with a wide variety of Fluke meters, this device expands the capabilities of existing testers in order to carry out measurements of AC current up to an extremely high threshold of 2500A.

Amp Flex

The AmpFLEX A100 series includes 9 models of flexible sensors that can be connected directly to all types of multimeter, wattmeter or recorder...

These flexible cores offer major advantages:

- Flexible clamping of any conductor to be measured (cable, bar, core, etc.)
- Flamping of several cables or bars thanks to the length of the core (up to 1.20 m standard)
- Extensive measuring range from 0.5A to 10kA~
- Bandwidth suitable for industrial frequencies and the analysis of harmonics
- Light, due to the absence of a magnetic circuit
- Absence of saturation effect and therefore overheating
- Constant and low dephasing suitable for wattmeter measurements
Megger LT300 Loop Impedance Tester

High current loop tester
Simple auto start operation
16Hz to 400Hz frequency range
Up to CATIV 300V phase-to-earth (550V phase-to-phase) applications
Optional two-wire lead set available separately,

Megger MIT310A Insulation and Continuity Tester

- Insulation range of 250, 500 and 1000V with test range of 999MΩ
- Continuity test to 100Ω with continuity buzzer
- Voltage measurements at 600V both AC and DC
- Analogue display of test results
- Tester comes in own protective carry case
- Default voltmeter
- Locking test button
- IP54 weatherproofing
- Accepts rechargeable batteries

Megger MIT220 Insulation and Continuity Tester 500V

- 250V and 500V insulation testing
- Meets EN61557 standards
- Digital display of insulation measurement up to 1000MΩ with digital and analogue display
- Automatic continuity testing leaves your hands free
- Auto-power off when left idle
- Automatic voltage detection to avoid accidental contact with live circuits
- Test lead zero compensates for lead resistance
- Built-in continuity buzzer
- Insulation test inhibit above 50V
Megger DET3TD Digital Earth Testing Kit

- Clear easy to read digital display
- 2 and 3 point testing
- Selectable 25 V or 50 V output
- Complete with lead and stake kit
- Simple one button operation
- IP54 rated
- Hard wearing carry case

Megger DET4TD2 Earth Tester

- 2, 3 and 4 wire testing with no shorting links required
- IP54 ingress protection
- C spike, p stake and noise checks
- Noise rejection 40V peak to peak
- Instrument output voltage of ±25V or ±50V at 128Hz
- Instrument current output at 4.5mA or 0.45mA
- Resistance range of 0.01 to 20kΩ
- Earth voltage range of 0-100V
- LCD display
- Easy to use
- Runs on 8 x AA batteries

Professional Earth Test Kit

- Can be used with any of the range of Megger earth testers
- Easy wind reels
- Easy use, easy pack away
- Auger style spikes
- Tough storage case
**Lee Vaughan Cable Identifier**

The Lee Vaughan Cable Identifier MKIV is designed to help identify one cable made dead, from a bunch of other live cables. The principal of operation is to attach the transmitter at one end of the dead cable, and at the remote end the cores on which the transmitter has been connected are shorted together. At any point along the cable the transmitted signal can be picked up by the receiver, and the cable identified.

**Pathfinder MK8**

The highly successful portable MK8 Pathfinder is used as a linesman or fault repair team’s tool to localize either an earth fault, or a phase to phase fault on an 11 or 33KV overhead line. The Portable FPI can be strapped to a clean pole at eye level and after re-energising the line, will tell the operator whether the fault is beyond that pole. With a number of units, a sometimes hard to find fault can be pin pointed very quickly.

**Megger MIT515 5KV Insulation Tester**

- 10TΩ (5kV) max. insulation resistance
- Timed IR plus PI and DAR diagnostic tests
- Operate with dead battery when on line power/mains
- Rapid charge Li-ion battery – up to 6 hrs continuous testing (5kV)
- Dedicated voltmeter function (30V to 660V)
- CATIV 600 V safety rating
- Large LCD display with automatic backlight
- Noise filter – rejects up to 3mA noise
- High altitude operation up to 3000m
Megger DLRO10 10A Low Resistance Ohmmeter

- Accurate results in under three seconds
- Auto current reversal cancels standing emfs
- Fuse protected to 600 V
- NiMH battery reduces weight
- 250 mW power limit (with optional override) to avoid heating the test sample
- Automatically detects continuity in potential and current connections
- Visible warning of high voltages present at the terminals
- Visible warning of current flowing in the test sample
- Multiple operating modes including fully

Seaward Type L Clamp

Large Jaw Clamp
- 100mm jaw opening
- Continuous readout or store options
- 2000A Range

Seaward Halo Hook Ammeter

Measures current flow on overhead lines up to 40kV with jaws for 50mm diameter conductors. Measurement range up to 2000A.
Seaward KD1E

The KD1E is a neon HV potential indicator suitable for use on earthed neutral systems. A highly robust, portable AC/DC voltage indicator, this potential indicator provides a means of confirming the presence of voltage on earthed neutral electrical circuits.

11kv, 19kv and 33kv types available

Seaward PR11

Phasing rods with neon indication for use on systems up to 11kV

- For use on 3.3kV up to 11.5kV systems
- PVC hand guards
- Direct areas possible to all types of switchgear

Seaward HV Discharge Rod

- Safe HV discharge rod for soft damp discharge of cables and/or equipment under test
- Supplied with flexible cable with heavy duty brass clamp for easy earth connection
- Robust single pole device

11kv and 33kv available
Pfisterer Voltage Detectors KP5

- Integrated audible signal for reliable voltage tests, even under noisy environmental conditions
- Extremely bright LEDs optimally arranged for increased safety
- Reliable self-test during power-up, which even checks the contact electrode extension
- Intelligent modular system which also includes very lightweight and short voltage detectors
- Indoor and outdoor use with one device
- Optimized operating comfort – a light press of a finger and the KP-Test 5 is activated
- Designed and constructed in accordance with IEC 61243-1:2003

HV Voltage Detector

- Determines whether HV systems are live or dead
- Models available covering system voltages from 11kV to 275kV
- Rugged plastic mouldings and PVC extrusions

TAG 200 Voltage Detector

- TAG-200 - single range distribution voltage detector,
  typical ranges 4-12kV or 12-35kV
- Both audible and visual alarms
- No on/off or range selector switches
- Carrying case included

Wireless Phasing Device TAG 5000

The device consists of 2 parts, Transmitter and Receiver.
The Transmitter (GREY) which also acts as a voltage detector by means of an audible and visual signal, then measures the phase angle and transmits this information to the receiver.
The Receiver (BLUE) then compares the information received to that of the phase it is in contact with, if the result is an ‘in phase’ situation then the receiver emits an audible and visual signal.
Any obstacles such as walls or doors do not hinder the signal sent by the Transmitter. The HF link is coded at 27MHz and as such needs no type approval.
**Fused Test Leads**

We have a wide range of test leads, clips and probes available from manufacturers including Megger, Kewtech, Metrel and Martindale. We have 2 and 3 wire test lead sets designed for use with a range of electrical test equipment including multifunction testers and digital multimeters.

**IEC Test Leads**

- 1 x 3 wire distribution board lead with IEC mains connector
- 2 fused crocodile clips
- Piggy back facility for 2 wire testing
- G7 Compliant *

**For use with all popular brands of:**

- Loop testers
- RCD testers
- Multifunction testers

**Socket Interface Leads**

- Compatible with most major brands of electrical test equipment
- Safe solution to testing insulation and continuity in UK power sockets
- Easy to use, ideal for difficult to reach locations
PE & Plastic Pipe Locator

FIND BURIED PVC/PE PIPES USING ADVANCED ULTRA HIGH RADIO FREQUENCY.

The All-New AML Plus™ is a scientific instrument that utilizes ultra-high radio frequencies to find differences in densities. This offers the best method for locating PVC & PE Pipes and nearly any other object that has an edge.

- New Microprocessor Intelligence
- Patented Radio Wave Technology
- Lightweight Construction (2 lbs.)
- High-Quality Headphones
- Rechargeable Lithium Battery
- Durable ABS Housing
- 9 Sensitivity Settings
- 3 Year Limited Warranty
- USB Powered Port

How Does It Work

UNDERSTANDING ULTRA-HIGH FREQUENCY RADIO WAVES

The key to how the AML detects PVC/PE pipes and to identifying the size or length of a pipe is to understand how its radio frequency detects buried plastic and other objects.

1. Locating an Object
   Holding the AML's handle parallel to the ground, scan the area of the suspected pipe or buried object until one or both of the AML's target indicators activate.

2. Aligning the AML
   While the left or right target indicator is activated, rotate the AML until both LED target indicators light simultaneously, triggering the AML's tone and laser marker. This alert indicates that the pipe or object has been detected and that the AML is now parallel with the underground object.

3. Marking an Object
   With the AML in parallel with the pipe or underground object, you can now scan the entire length of the object's edge. As an alternative, utilize the "W" method of scanning by sweeping the area in a back-and-forth "W" motion, marking the object's location and run direction as it is tracked.
CAT & Genny Cable Avoidance Tools

C.A.T4® and Genny4® products provide a comprehensive range of Cable Avoidance Tools helping professionals to drive best locating practice, to reduce the number of cable strikes, and to dig more safely.

C.A.T4

The C.A.T4 is the standard model of the range. Using it with the Genny4 transmitter, experienced operators will be able to find more buried utilities, faster.

Genny4

Genny4’s patented simultaneous dual-frequency signal output facilitates location of small diameter cables such as telecoms and street lighting, including spurs. All C.A.T4 locator models have patented technology to detect both signals simultaneously. The power boost function in Genny4 enables the locate signal to travel further and deeper, and couple onto utilities more easily.

Accessories

Genny Clamp

This clamp is used to apply a Genny signal to a specific cable or pipe. This is particularly useful where direct connection is not possible, or on live cables when these cannot be de-energized. Available in 2” (50mm), 4” (100mm) and 8.5” (220mm) diameters. Part No. 2” clamp: 10/TC2136-RD4
Part No. 4” clamp: 10/TC1769-RD4
Part No. 8.5” clamp: 10/RD4GT0235

Live Cable Connector

This accessory is used to apply the Genny signal to live cables. The Live Cable Connector may only be used by suitably qualified personnel. Maximum operating 440Vrms and CAT III rated. Part No: 10/GENNY-LCC