

UltraTEV Detector² with audio enhancement makes 'First-pass health and safety' test easier

UltraTEV
Detector²

The UltraTEV Detector² is the latest upgrade to the award winning UltraTEV range.

Using dual sensor technology the UltraTEV Detector² is the 'first pass' asset condition testing device you cannot afford to be without.

Features

dual-sensor technology

- Ultrasonic sensor detects surface Partial Discharge (PD) activity beyond audible range.
- Transient Earth Voltage (TEV) sensor detects internal PD activity.
- Both sensors are pre-set to indicate when PD activity is above acceptable thresholds.
- Audio output allows effective discrimination between surface PD and noise.

clear display

- **Green LED** indicates that no significant PD is present.
- **Amber LED** (TEV mode only) indicates PD activity that requires more frequent monitoring.
- **Red LED** indicates PD activity that requires immediate investigation - and is potentially dangerous to equipment and personnel.

easy-to-use

- One button operation with instant start-up.
- Light, portable and ergonomically designed.
- Kit complete with carrying case, clip on headset, mains battery charger, USB car charger and instruction manual.



UltraTEV Detector² - ultrasonic mode

Benefits

- Essential personal safety device
- Identify faults BEFORE they lead to failures
- Test for critical PD activity instantly
- Detect surface AND internal PD activity
- Minimal training requirement
- Low cost, high productivity



Specification of UltraTEV Detector²

SIGNAL INPUTS

Signal	TEV and Ultrasonic
Thresholds	Ultrasonic 1; TEV 2
TEV Threshold Levels	20 dBmV and 29 dBmV
Ultrasonic	6dBµV

LED INDICATORS

Ultrasonic Status	Red/Green
TEV Status	Red/Amber/Green
Power	Red/Green
Charging	Red/Green

DIMENSIONS

Size of the UltraTEV Detector ²	201 x 76 x 34 mm
Weight	0.4 Kg

POWER SUPPLIES

Internal Batteries	Rechargeable Lithium-Ion
Typical Operating Time	10+ hours continuous use
Battery Conservation	Automatic shutdown when low battery voltage detected or 10 minutes elapsed
Charging	Charging by Micro USB

AUDIO OUTPUT

Headphones Socket	Audio 3.5mm jack
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ENVIRONMENTAL

Operating Temperature	0 - 55 °C
Humidity	0 - 90% RH non-condensing

Accessories and options

MODEL

DESCRIPTION

Clip On Headset	Allows audio distinction of ultrasonic PD and background noise
UltraTEV Case	Dedicated carry case for the UltraTEV Detector ²
USB Car Charger	12V battery charger for the UltraTEV Detector ²
Battery Charger	Mains battery charger for the UltraTEV Detector ² . Note: all mains-powered instruments are available with plugs to suit local requirements
Calibration Service	We recommend regular calibration of the UltraTEV Detector ²



UltraTEV Detector² - TEV mode

Do you know

up to 85% of disruptive switchgear failures are PD related

Solution

UltraTEV Detector² is the most effective 'first pass' PD survey instrument available

Safer, Stronger,
Smarter Networks