

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

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.

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/Amber/Green
Charging	Amber/ 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
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



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

