

# UltraTEV Detector<sup>2</sup> with audio enhancement makes 'First-pass health and safety' test easier

UltraTEV  
Detector<sup>2</sup>

The UltraTEV Detector<sup>2</sup> is the latest upgrade to the award winning UltraTEV range.

Using dual sensor technology the UltraTEV Detector<sup>2</sup> 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 Detector<sup>2</sup> - 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 Detector<sup>2</sup>

## 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 <sup>2</sup>	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

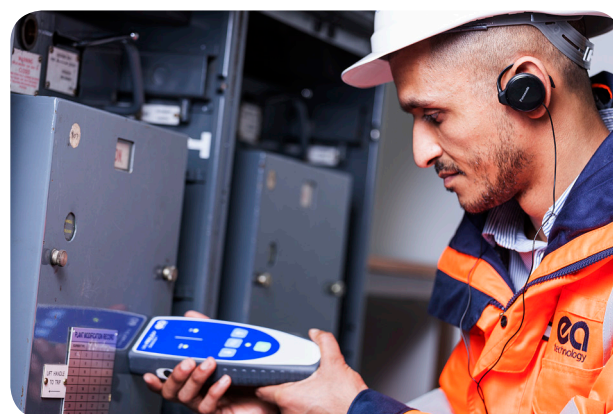
Operating Temperature	0 - 55 °C
Humidity	0 - 90% RH non-condensing

# 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 <sup>2</sup>
USB Car Charger	12V battery charger for the UltraTEV Detector <sup>2</sup>
Battery Charger	Mains battery charger for the UltraTEV Detector <sup>2</sup> . Note: all mains-powered instruments are available with plugs to suit local requirements
Calibration Service	We recommend regular calibration of the UltraTEV Detector <sup>2</sup>



UltraTEV Detector<sup>2</sup> - TEV mode

### Do you know

up to 85% of disruptive switchgear failures are PD related

### Solution

UltraTEV Detector<sup>2</sup> is the most effective 'first pass' PD survey instrument available

For more information, please contact us on +44 151 347 2313, email us on [sales@eatechnology.com](mailto:sales@eatechnology.com) or visit our website [www.eatechnology.com](http://www.eatechnology.com).

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