

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



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.

## 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
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>



### 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



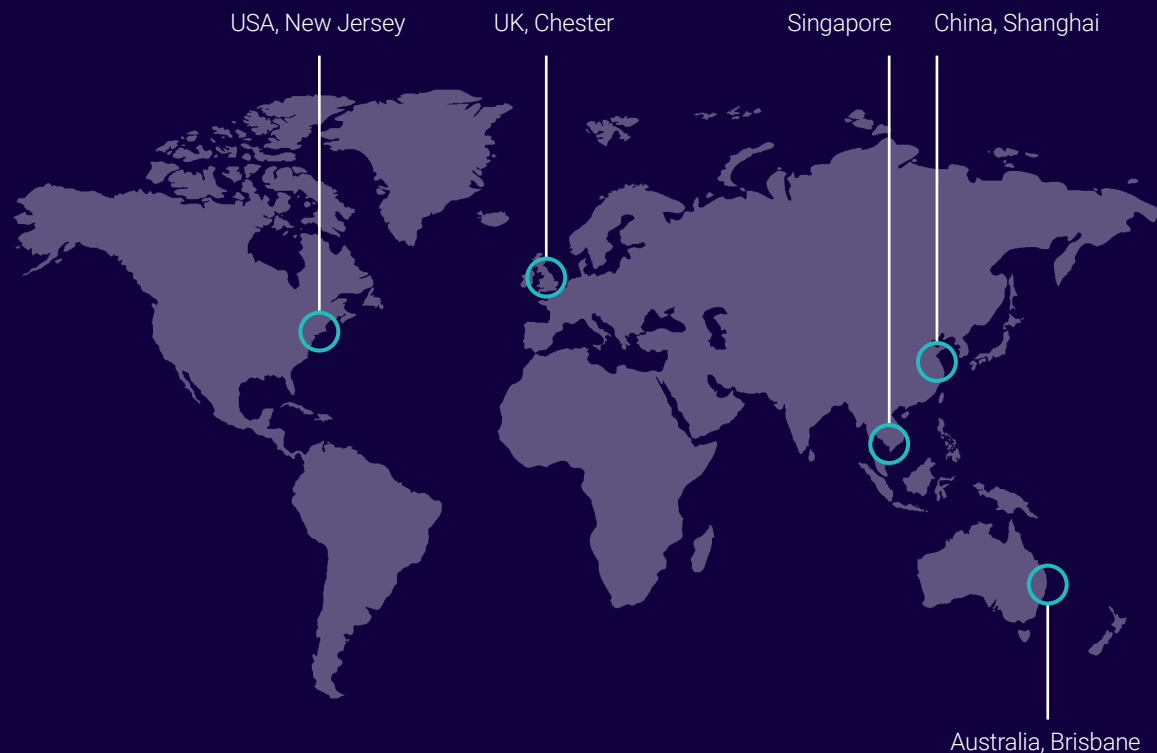
Safer, Stronger, Smarter Networks

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# Global Footprint

EA Technology is an engineering and technology business that provides intelligent energy solutions for designers, installers, operators, and owners of power network assets.



**Founded in 1966 we have over 50 years' experience in the industry and 6 regional offices around the world to support our global customer base.**

We work with a lot of our clients on a long-term basis to help them safeguard their power networks.

We advise our clients on strategy and implementation of a range of technology solutions to manage power assets, delivering maximum life and minimise cost.



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