

UltraTEV Plus+™

Multi-functional partial discharge investigation tool for Power Engineers

All the features of our award-winning UltraTEV Detector™ - plus a great deal more.



Valuable Data for Power Engineers

Detecting and measuring PD (Partial Discharge) activity is the key to understanding the condition of your MV and HV assets – and achieving greater network reliability and safety.

With the UltraTEV Plus+™ you can instantly check whether:

- Assets are free of partial discharge.
- PD activity is at a level which warrants further investigation.
- Activity is at a level which requires immediate maintenance intervention.
- Assets are in a dangerous condition.

MULTIPLE FUNCTIONS

The UltraTEV Plus+™ combines the functionality of our UltraTEV Detector™, UltraMet™ and MiniTEV2™ – all in one hand-held instrument!

This amazingly versatile instrument is purpose designed to provide Power Engineers with:

- Ultrasonic detection of surface PD activity as numerical decibel values AND as audible signals, which you can hear through the headphones provided.
- Measurement of internal PD activity in the form of TEV (Transient Earth Voltage) signals, which you can view on screen as numerical values.
- Continuous PD measurement mode, incorporating displays of maximum level, pulse count per cycle, severity level etc.
- Single shot PD measurement function also provided.
- UltraDish™ option for overhead assets.

MULTIPLE USES

Use the UltraTEV Plus+™ to:

- Investigate UltraTEV Detector™ 'red lights'.
- Rapidly survey the condition of whole substations.
- Compare changes in PD activity levels between assets and over time.
- Gather valuable data for asset condition registers.
- Check working environments for safety.

FEATURES

- Menu-driven backlit colour LCD screen and keypad, with multiple functions.
- Lightweight, ergonomically designed and tough.
- Long-life rechargeable internal Lithium-Ion (Li-Ion) battery.
- 3.5mm headphone socket and external ultrasonic sensor port.

Product Code
UTP1

BENEFITS

- No.1 instrument for assessing asset condition.
- Highly user friendly - designed specially for Power Engineers.
- Essential personal safety tool.
- Low ownership cost with excellent return on investment.



Menu-driven, multi-functional display of TEV and ultrasonic values.



Optional external microphone extends reach.



Check partial discharge activity on the surface of assets and internally.



Listen for PD activity in overhead assets with the UltraDish™ add-on.

UltraTEV Plus+™ Accessories & Options



UltraDish™ Parabolic Waveform Concentrator

The UltraDish™ is 100% compatible with the UltraTEV Plus+™. Ideal for investigating PD activity in overhead assets or at a distance. Product code: UM1-PD



Calibration Service

We recommend annual recalibration in our factory. Product code: UTP1-CAL



Flexible Sensor

Plug-in flexible microphone extension enables you to probe enclosures and tight spaces. Product code: UM1-FS

Repair including calibration

Have your UltraTEV Plus+™ repaired and recalibrated at the same time. Product code: UTP1-RCAL

UltraTEV Plus+™ Service Packs

When you purchase an UltraTEV Plus+™, (or an UltraTEV Detector™), we can provide you with additional condition assessment Service Packs. These are supplied by EA Technology's Services Business and offer exceptional value for money.

The packages offered with the UltraTEV Plus+™ are:



UltraTEV Plus+ Service Pack 1™

- Benchmark PD Survey of up to 30 assets.
- On-site training in use of UltraTEV Detector™ or UltraTEV Plus+™.
- 12 month technical support.
- FREE instrument calibration after 12 months.



UltraTEV Plus+ Service Pack 2™

- Full benchmark survey including PD Survey, Live Tank Oil Sampling (LTOS™) and analysis, plus trip timing tests.
- Collection of condition data and history to prepare asset register with health indices.
- Control of hazard database.
- 12 month periodic collection of oil samples and trip time tests, with data returned to EA Technology for analysis and recommended actions.
- 12 month technical support.
- FREE instrument calibration after 12 months.

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