

# TRACKING CORONA

*Designed for surface PD detection in electrical plant, its readings give consistent and repeatable results for analysis and interpretation.*

A new tool now available to Maintenance Engineers, Planners and Field Staff can enhance their asset management practices. This device effectively targets maintenance requirements based on an asset's actual surveyed condition.

Developed by the world's leader in High Voltage Condition Monitoring with more than 40 years experience, the UltraMET joins the suite of portable Partial Discharge detection instruments available from UK based Power Engineering Company, EA Technology Limited.

## SURFACE PARTIAL DISCHARGE DETECTION

Unlike many of the acoustic detectors on the market, UltraMET has been specifically designed for surface PD detection in electrical plant, and its readings give consistent and repeatable results for analysis and interpretation. The instrument is a highly sensitive ultrasonic listening device that has several advantages over the human ear. Because of its much greater sensitivity, results are not dependent on an individual's own hearing ability and sounds are more directional when operating above the audible frequencies.

## PINPOINT AND QUANTIFY

The backlit digital readout is calibrated in dB $\mu$ V and includes a bar graph vital for establishing the significance of any peak activity; it also features a fully adjustable frequency band and amplification levels. The included noise isolating headphones allow the user to pinpoint and quantify the source of any emissions.

The instrument has two modes of operation, continuous or maximum measurement and an automated self-test routine at start up ensures UltraMET is reliable and accurate. Supplied together with precision focusing accessories, rechargeable battery and charger and storage case, UltraMET is an essential piece of kit for investigative fault finding and problem solving.



## WAVEFORM CONCENTRATOR

Using the optional parabolic waveform concentrator, which incorporates a laser pointer and external speaker, overhead assets and long distance operations can be undertaken further increasing the instrument's utilisation for the asset owner.

Arcing, Corona and Surface Partial Discharge tracking can all be detected ultrasonically, the progressive deterioration that results will often lead to eventual insulation failure. Suitable for a wide range of tasks, some typical areas include air insulated terminations (indoor and out), circuit breaker bushings, shutters and spouts, bus couplers and link boxes, insulators, supports and air break switches, to name a few.

## ELECTROMAGNETIC CAPABILITY

Whether used as a stand alone test instrument to locate and measure airborne ultrasonic activity, or to compliment the electromagnetic capability of the MiniTEV, this lightweight and easy to use device is ideal for many applications within the Electrical Supply Industry.

*For further information on this or any of our other Asset Management solutions, please contact your local EA Technology distributor; Thew & McCann in Australia and HV Diagnostic Services in New Zealand.*



**UltraMET**  
Ultrasonic  
Measurement



**MiniTEV**  
Electromagnetic  
Measurement



**UltraTEV**  
Ultrasonic &  
Electromagnetic  
Indication

**SPECIALISTS IN PARTIAL DISCHARGE  
LOCATION & MONITORING**



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