

## M2H MCM

### Applications

- » Loss angle (Power Factor/Tan  $\delta$ ), capacitance and inductance measurements on high voltage equipment

### Benefits

- » Easy, automated measurement
- » Accurate and powerful
- » Field-rugged and reliable
- » Immune to external interference due to phase reversal technique
- » Sunlight viewable VGA screen
- » Upgrade from existing M2H system possible

### Specifications

- » Voltage Range: 25V to 12kV
- » Output Current: 200mA continuous at 10kV
- » Current Measurement Range: 0 to 5A
- » Current Measurement Accuracy:  $\pm 1\%$  of reading,  $\pm 1\mu\text{A}$
- » Power Factor/Tan  $\delta$  Range: 0 to 100% PF, 0 to 999.99% Tan  $\delta$
- » Power Factor/Tan  $\delta$  Accuracy:  $\pm 0.04\%$  PF/Tan  $\delta$  of reading
- » Capacitance Range: 0 to 5 $\mu\text{F}$
- » Capacitance Accuracy:  $\pm 0.5\%$  of reading,  $\pm 1\text{pF}$
- » Inductance Range: 10mH to 6H
- » Inductance Accuracy:  $\pm 0.5\%$  of reading
- » Watts Range: 0 to 2kW
- » Watts Accuracy:  $\pm 2\%$  of reading at 10kV,  $\pm 0.03\%$  of VA,  $\pm 0.5\text{mW}$
- » Operating Temperature:  $-20^\circ$  to  $+50^\circ$  C
- » Total Weight: 73kg

### Solutions

- » Data may be transferred to DTA Field software.
- » DTA Web software provides hosted database function for test data

### Accessories

- » TTR Capacitor for HV turns ratio measurements
- » Temperature and Humidity Sensor
- » M4140 for Capacitor Bank measurements
- » Type-C Resonating Inductor to extend charging current range for large test specimens - e.g., generators, motors and cables

