

## LiteWire Sensors

Sensors for measurements on high voltage and current potential



The LiteWire sensors are suitable for MTE's meter test equipment PRS 400.3 and PTT 2.1. The LiteWire is a true RMS meter designed for use by electric utilities to sense currents or voltage waveforms from the primary side of their distribution networks. A fiber optic link transmits information as well as establishes isolation between the high voltage potential at the sensor enclosure.

The sensors are mounted on a hot stick and slipped over a high voltage line.

A fibre-optic cable connects the sensors to a receiver unit at ground potential. This receiver contains the digital readout and an analogue output.

## Ordering informations

### High voltage - voltage sensor with AC-voltage output

Model: Volt LiteWire: Model 8-014 (Voltage sensor up to 40 kV)  
Volt Probe Assy.: Model 7-047 (Insulated electrode 18 inch)  
Extension Cable: Model 7-032-10 (Length 10 foot)

Range: 0 ... 40 kV  
Frequency: 50 Hz (47 ... 63 Hz) or 60 Hz (57 ... 63 Hz) (depending of country)  
Accuracy:  $\pm 2\%$   
Isolation: Fiber optic

### High voltage - current sensor with AC-voltage output

Model: Amp LiteWire: Model 8-016 (Current sensor up to 2000 A / Jaw width: 9.84 cm)  
Hanger Assy.: Model 7-016

Range: 0 ... 2000 A  
Frequency: 50 Hz (47 ... 63 Hz) or 60 Hz (57 ... 63 Hz) (depending of country)  
Accuracy:  $\pm 1.5\%$   
Isolation: Fiber optic (150 kV max.)

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