

LiteWire Sensors

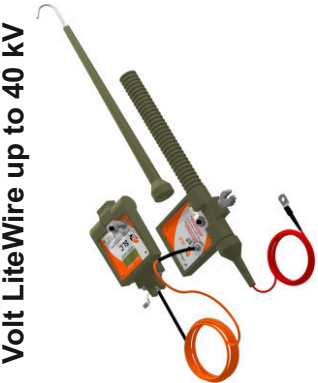
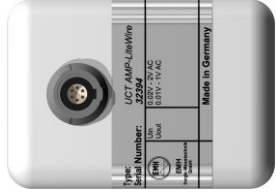
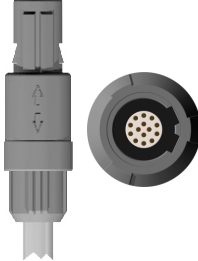
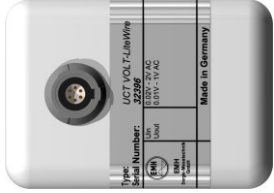
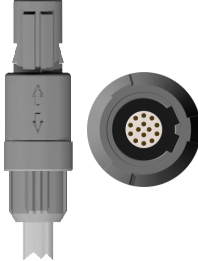
Sensors for measurements on high voltage and current potential



The LiteWire sensors are suitable for MTE's meter test equipment PRS 400.3, CALPORT 300, PWS 3.3, PWS 2.3 PLUS and PTT 2.1. The LiteWire is a true RMS meter designed for use by electricity 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-optical cable connects the sensors to a receiver unit at ground potential. This receiver contains the digital readout and an analogue output.

Sensors for voltage and current measurements on high voltage potential	Error compensation and adaptation boxes	Connector type of dedicated Redel plugs	Components of the sensors
Volt LiteWire up to 40 kV  Volt LiteWire 8-014	UCT AMP LiteWire 	14 poles, double row keying system 	Components of the sensors  H0K 51R G58 U02 020 H25 Y30 000 817 701
Amp LiteWire up to 2000 A  Amp LiteWire 8-016	UCT VOLT LiteWire 	14 poles, double row keying system 	Components of the sensors  H0K 51R G58 U02 020 H25 Y30 000 817 801

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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