

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-optic 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	PRS 600.3	PWS 3.3	PWS 2.3 PLUS	PWS 2.3 <i>genX</i>	CheckMeter 2.3 <i>genX</i>	PTS 2.3 <i>genX</i>	PTS 3.3 <i>genX</i>		Required cables and adaptors
<p>Volt LiteWire up to 40 kV</p>  <p>Volt LiteWire 8-014</p>	<p>UCT VOLT LiteWire</p> 	<p>14 poles, double row keying system</p> 	●	●	●	●			●		 <p>H0K 51R G58 U02 020</p>  <p>H25 Y30 000 817 701</p>
<p>Amp LiteWire up to 2000 A</p>  <p>Amp LiteWire 8-016</p>	<p>UCT AMP LiteWire</p> 	<p>14 poles, double row keying system</p> 	●	●	●	●	●	●	●		 <p>H0K 51R G58 U02 020</p>  <p>H25 Y30 000 817 801</p>

● The independent sensors are adjusted with a standard parameter set

Sensors for current measurements on high voltage potential	Error compensation and adaptation boxes	Connector type of dedicated Redel plugs	PRS 400.3	CALPORT 300	PTT 2.1							Required cables and adaptors
<p>Volt LiteWire up to 40 kV and / or Amp LiteWire up to 2000 A</p>  <p>Volt LiteWire 8-014 and / or Amp LiteWire 8-016</p>		<p>6 poles, single row keying system</p> 	●	●							 <p>H0K 51R G58 U02 020 H1K Z00 9B2 050 100</p>	
<p>Amp LiteWire up to 2000 A</p>  <p>Amp LiteWire 8-016</p>		<p>14 poles, single row keying system</p> 			●						 <p>H0K 51R G58 U02 020 H1K Z00 9B2 230 100</p>	

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.)

Adresse

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