



Meters for safe + accurate live-line work.

AMP LITEWIRE

The Amp Litewire provides accurate primary measurements, giving meter technicians the ability to capture primary waveform analysis with sophisticated low voltage analyzers.

The Amp Litewire is a two-piece true RMS high voltage rated ammeter designed to measure True RMS current on the primary side of a distribution network. The sensor probe is attached to an insulated hot stick and positioned onto the medium or high voltage line. A fiber optic cable connects the sensor probe to a receiver unit at ground potential, which delivers the current waveform measurement as an analog output to a meter analyzer.

The analog output is a reproduction of the high voltage current waveform, accurate to

the 50th harmonic, and available as a two volt RMS output. This probe provides utilities the ability to use one of many sophisticated low voltage scopes, waveform acquisition recorders, analyzers, or other analysis instruments, which are otherwise not capable of analyzing measurements in primary distribution and high voltage environments.

The sensor probe has no moving parts and does not require clamping onto the wire. The fiber optic cable is physically rugged, while being a voltage insulator between the units, specified to provide 100 kV isolation per foot.

FEATURES

- Analog output for waveform analysis
- Open CT rejects stray magnetic fields
- Easily slip on and off the conductor
- No position sensitivity
- Compatible with many portable site power analyzers

COMPATIBLE WITH:

- Calmet Sp. z o.o
- EMH Metering
- EMSYST Ltd.
- Fluke Corporation
- Meter Test Equipment AG (MTE)
- Powermetrix
- Probewell
- Radian Research, Inc
- TESCO
- ZERA GmbH

AMP LITEWIRE SPECIFICATIONS*

Model Number	8-117 XT	8-117 WJ
Description	Amp Litewire, standard	Amp Litewire, wide jaw
Weight	1.75 lbs, 0.79 kg	2.6 lbs, 1.18 kg
Sensor Width	2.5", 6.35 cm	4", 10.16 cm
Range of Operation		
Current	1-2000 True RMS Amps	
Voltage Environment, phase to phase	up to 433 kV	
Voltage Environment, phase to ground	up to 250 kV	
Accuracy	± 1%, ± 0.1 millivolt	
Resolution	0.1 millivolt	
Phase Angle	± 1°	
Analog Output	1 mv RMS per amp	
Output Connector	BNC. No DC offset voltage.	
Gain Stages	Selectable ranges: 1-20A, 1-200A, 1-2000A	
Output Impedance	50 ohms minimum	
Frequency Response	3000 Hz or to the 50th Harmonic	
Fiber Optic Cable		
Length	40', 12.19 m	
Isolation	100kV per foot	
Mechanical		
Housing	Shock & water resistant polycarbonate and silicone.	
Hot Stick Mounting	Universal chuck adapter. Hot stick not included.	
Battery	9V Alkaline or Lithium, one per unit	
Battery Life	Minimum six hours of continuous use	
Operating Temperature	-22° to +140° F, -30° to +60° C Lithium battery required for temperatures below -4°F (-20°C)	



XT Amp Litewire Probe



Wide Jaw Amp Litewire Probe

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