

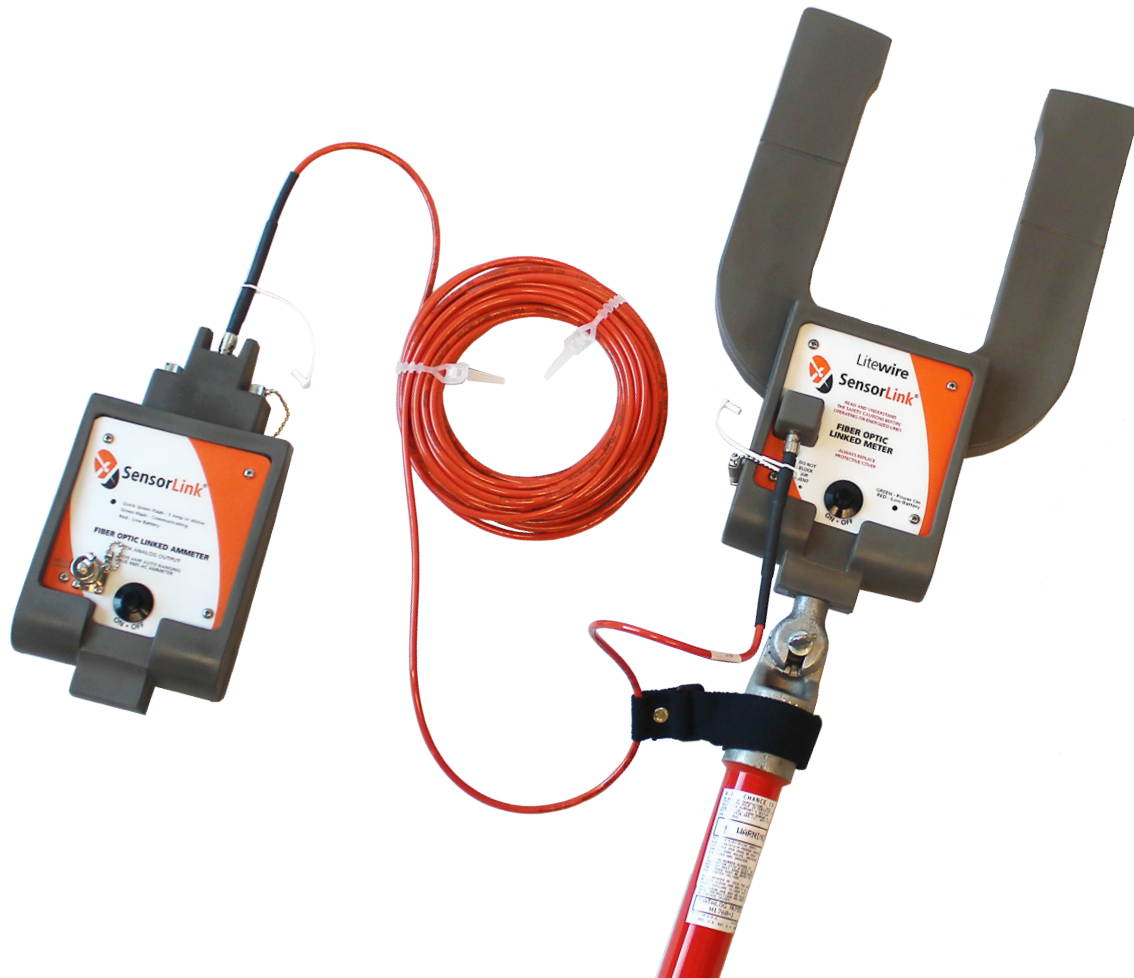
Amp Litewire High Voltage Ammeter Probe

Primary distribution probes for CT ratio testing

Supplies an analog output for waveform analysis

Fiber Optic Isolation cable brings the signal to ground

Compatible with most portable test analyzers



The **Amp Litewire** is a 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 0-2 volt AC signal at ground. 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 **fiber optic cable** is physically rugged, while providing a high speed data path required for digital waveform transmission. This cable is also the high voltage insulator between the two units, and is specified to provide 100 kV isolation per foot.

The **sensor probe** has no moving parts and does not require clamping onto the wire. The molded urethane housing is water resistant and will withstand high physical impact.

About SensorLink Corporation

SensorLink has engineered and manufactured live-line meters and recorders for high voltage applications for more than 25 years. The SensorLink current sensor has set the industry standard for accurate and reliable live-line measurements.

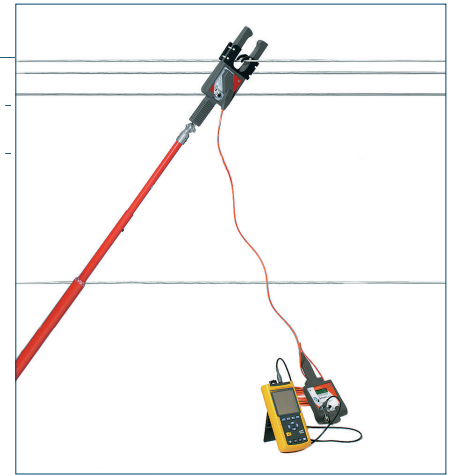
Our team is dedicated to design, manufacture, and sell high quality, easy to use instruments that provide utility personnel the confidence to work safely while making decisions in the field.

Today, thousands of our products are in service worldwide.

Applications

Analyze current waveform from the primary

Allows low voltage analyzers to monitor high voltage waveforms



Amp Litewire High Voltage Ammeter Probe

Model Number	8-01502 XT	8-01602
Amp Sensor Opening	2.5 in, 6.35 cm	3.86 in, 9.84 cm
Weight	4.8 lbs, 2.18 kg	6.0 lbs, 2.73 kg
Range		
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		
1-199.9 A	.1 A	
200 - 2000 A	1 A	
Phase Angle	±1°	
Analog Output	1 mv RMS per amp Output connector is BNC. No DC offset voltage.	
Output impedance	6000 ohms, minimum	
Frequency Response	3000 Hz or to the 50th Harmonic	
Fiber Optic Cable		
Length	40', 12.19 m	
Isolation	100 kV per foot	
Mechanical		
Housing	Shock & water resistant molded urethane	
Hot stick Mounting	Universal chuck adaptor (hot stick not included)	
Battery	Two each 9V alkaline or lithium; one per unit	
Battery Life	Minimum eight hours of continuous use	
Operating temperatures	-22° to +140° F, -30° to +60° C Lithium battery required for use below -4°F (-20° C)	
Optional Accessories		
7-017	Hanger assembly for 8-01502 XT	
7-016	Hanger assembly for 8-01602	
7045	Hard carrying case	



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