

Ampstik® High Voltage Ammeter

Slips on and off the conductor with $\pm 1\%$ accuracy

Open CT that rejects stray magnetic fields

No moving parts

Single button operation

Sample and hold measurements

Flame resistant housing



Widejaw Ampstik



Hotstick Mounted



In 1988, SensorLink was approached by a power utility with a request to develop a device that would eliminate the mechanical clamp from measurements of current. An inductive sensor was developed that did not use magnetic materials and had no moving parts.

The opening of the sensor is electronically closed and external currents are also electronically rejected. This means that a user can measure an individual conductor within close proximity to adjacent current carrying conductors.

The sensor is not position sensitive, just slip the Ampstik over a conductor and read the LCD. For those applications where the LCD is not visible, with a push

of the button the user can put the meter into the hold mode, slip the instrument over the conductor, and then retrieve the instrument to view the measurement from the conductor.

The Ampstik is easy to use and provides accurate information to anyone working with medium and high voltage. It gives line personnel the right answers so they have the ability to make decisions in the field.

The universal hotstick adaptor and internal structure of the Ampstik is made of long glass fiber reinforced thermoplastic polyurethane called Celstran. This space-age polymer is non-conductive and extra tough to protect the amp sensor. The housing is made of urethane and built to operate

safely, even in severe utility environments. The Ampstik is resistant to shock, water repellent, unsusceptible to flame, and operates in a wide temperature environment.

One meter is all that the user will require. The Ampstik measures in every electric utility setting. Its linear current sensors accurately measure loads from 1 amp to 5000 amps, as well accurately measures in low to high voltage environments of up to 500kv.

Applications

- Check current before breaking load
- Check for load balance
- Check CT Ratios
- Conduct load studies
- Identify cold load pickup problems



Ampstik[®] High Voltage Ammeter

Model Number	8-020 XT	8-022	8-023	8-024
Frequency	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz	60 or 50 Hz
Range of Operation				
Voltage	0-500kV	0-69kV	0-69kV	0-400kV
Current	0-5000A	0-2000A	0-5000A	0-2000A
Sensor Opening	Standard	Wide Jaw	Wide Jaw	Wide Jaw
Opening Width	2.5 in (6.35 cm)	3.86 in (9.8 cm)	3.86 in (9.8 cm)	3.86 in (9.8 cm)
Resolution				
Amps 0-99.9A	0.1A	0.1A	0.1A	0.1A
Amps 100-1999A	1A	1A	1A	1A
Amps 2000-5000	0.01kA		2.00kA-5.00kA	
EEC Standards	Successfully passed international test standards indicated by Ⓒ			
Operation				
Controls	One button operation			
Accuracy	±1% + 2 Digits			
Mechanical				
Weight	3 lbs (1.37) kg			
Operating Temp.	-22 to +140 degrees F (-30 to +60 degrees C)			
Display	3.5 digit display			
Housing	Shock and water resistant molded urethane			
Hotstick Mounting	Universal chuck adapter (Hotstick not included)			
Battery	9 volt alkaline			
Options				
Hard Carrying Case	Model 7-044			



Optional Hard Case



SensorLink[®] Corporation

PO Box 301
 1975 Valley Hwy 9
 Acme, WA 98220
 phone 360.595.1000
 fax 360.595.1001
 www.sensorlink.com