Ampstik® High Voltage Ammeter

Slips on and off the conductor with ±1% accuracy

Open CT that rejects stray magnetic fields

No moving parts

Single button operation

Sample and hold measurements

Backlit LCD for low-light environments

Backlit Display

Hot Stick 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 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 Backlight on the Ampstik Plus is designed to automatically power on when the ambient light is low. This helps users view the readings on the display in low-light situations. The light sensor is located on the front of the unit.

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. This 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

Ampstik® High Voltage Ammeter

Model Number	8-020 XT	8-022	8-024
Description	Ampstik	Wide Jaw Ampstik	Wide Jaw Ampstik
Weight	2.15 lbs, 0.97 kg	3.8 lbs, 1.76 kg	3.8 lbs, 1.76 kg
Range of Operation			
Voltage	0-500 kV	0-69 kV	0-400 kV
Current	1-5000 A	1-2000 A	1-2000 A
Sensor Opening	2.5 in, 6.35 cm	3.86 in, 9.8 cm	3.86 in, 9.8 cm
Resolution			
Amps 1-99.9A	0.1 A	0.1 A	0.1 A
Amps 100-1999A	1 A	1 A	1 A
Amps 2000-5000A	0.01 kA	N/A	N/A
Accuracy	±1%, ± 2 Counts		
Measurement	Single Reading		
Frequency, 50 Hz	47 to 53 Hz		
Frequency, 60 Hz	57 to 63 Hz		
EEC Standards	Successfully passed international test standards indicated by CE		
Mechanical			
Controls	Single button operation		
Display	3.5 Digit Display		
Backlight	Automatic ambient light sensor		
Operating Temperature	-22° to +140° F, -30° to +60° C Lithium battery required for temperatures below -4°F (-20°C)		
Housing	Shock & water resistant molded urethane		
Hotstick Mounting	Universal chuck adapter. Hotstick not included.		
Battery	9V Alkaline or Lithium		
Options			
Hard Carrying Case	Model 7044		

Optional Hard Case

Standard XT Carrying Case

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