

Troubleman's Kit Radio Based Ammeter and Voltmeter

Measure Amps and Volts on Primary Distribution Circuits

Troubleshoot problems on Distribution Circuits

Two Probes, One Remote Display

±1% Accuracy for both Amps and Volts

1 Volt resolution to 37,000 Volts

1 Amp resolution to 5,000 Amps



SensorLink Troubleman's Kit

The Kit consists of the Radio Ampstik and the radio based Voltstik. These instruments are designed to assist the modern day electric utility troubleshooter in resolving problems in their low and medium distribution circuits.

Troubleshooting Voltage Problems

The Voltstik allows the user to measure the potential of any two points within a medium voltage distribution system. Voltage drop along a line can be measured or a check of phase to ground voltage on both the primary and secondary voltages. Use the measurement to determine if the cause belongs to the utility or the customer.

Phasing

The most common use for measuring voltage in a distribution system is measuring the phase to phase voltage. In the past, this has been performed with a dedicated instrument called a "Phasing Set", which involves two men and two hot sticks. The SensorLink Voltstik offers advantages to the traditional method. The Voltstik was designed for a one-man crew, allowing a single user to safely take the phasing measurement.

Remote Receiver display

The receiver shows the amp or voltage measurement and continues to update the reading three times per second using a

non-licensed radio. This convenient display gives the user instant confirmation of the reading.

The user has the option to hold the display in their hands or mount it to their hotstick. The display also features a five-digit display that shows full scale one amp or volt resolution. While in the HOLD mode, the display will hold up to four readings for both amps and volts. This practical and useful display allows the user to keep both eyes and hands on the task of taking the measurement.

Applications

Troubleshooting Voltage Problems

Conduct Load Studies

One Man, One Stick Phasing Set



Troubleman's Kit

Radio Based Distribution Volt and Amp Meters

Model Number	6-333
Description	Radio based Ammeter and Voltmeter
Kit Includes	37kV Voltstick Radio Ampstik Radio Receiver Display Carrying Case
Range of Operation, Voltstik	
Voltage	1-37,000 volts
Resolution	1 Volt
Range of Operation, Ampstik	
Voltage Environment	69 kV
Amps, 0-99.9 A	0.1 A
Amps, 100-5000A	1 A
Sensor Opening	2.5 in, 6.35 cm
Accuracy	±1%, +2 counts
Frequency	60Hz (57 to 63HZ) or 50Hz (47 to 53Hz)
Mechanical	
Controls	One button operation
Display	5 Digit LCD
Operating Temperature	-4° to +140° F, -20° to +60° C*
Housing	Shock resistant molded urethane
Hotstick Mounting	Shotgun or Universal. Hotstick not included.
Battery	9V Alkaline, one each
Radio	
Frequency, Region(s) 2 & 3	916.48 MHz
Frequency, Region(s) 1	869.85 MHz
Power	.1 milliwatt
Range	50 feet, 15.24 meters
*See user's manual for battery temperature specifications	



Troubleman's Kit in Hard Case



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