

# RADIO VOLTSTIK

RADIO LINKED VOLTMETER

## FEATURES

- Accurate measurements from 1 - 37 kV
- Single stick user operation
- Remote display for safe reading verification
- Display holds four unique readings



Radio Voltstik, Overhead Conductor    Radio Voltstik, Underground



## SAFELY MEASURE MEDIUM VOLTAGE

The Radio Voltstik allows linemen to safely and accurately measure the potential between any two points in the distribution system with one volt resolution readouts.

This high impedance instrument is an excellent choice for solving multiple problems associated with operating a medium voltage system. Measure voltage drop and check phase to ground voltage when investigating a voltage complaint. Further, take phase to phase measurements with 1% accuracy, an improvement over traditional phasing methods.

The only points on the meter that conduct a signal are the two ends, which is the safest method for taking two-point voltage measurements. The extension cable used to make the two point connection is rated 40,000 VDC, with a breakdown voltage of 80,000 VDC. The housing is built to operate safely, even in harsh environmental conditions.

This meter deploys onto a line by using a hot stick with a universal chuck adapter. The voltage measurement is communicated to the display via a non-licensed radio, which shows the voltage measurement and continues to update the reading three times per second. The receiver features a five-digit display with full scale one volt resolution. While in the HOLD mode the display will hold up to four readings.

The receiver display gives instant confirmation of the reading. The user has the option to hold the receiver in their hands, mount it to a hot stick, or mount it to the bucket. This safe and reliable design allows the user to keep both eyes and hands on the task of taking the measurement.

# APPLICATIONS

Phasing  
 Measure Voltage Drop  
 Verify Distribution PTs  
 Troubleshoot distribution circuits

RADIO VOLTSTIK SPECIFICATIONS	
Model Number	6-133
Description	37 kV Voltmeter
Kit Includes	Model 8-133, 37kV Voltstik Transmitter Model 8-121, Radio Receiver Display Model 7049, Carrying Case
Range of Operation, Voltstik	
Voltage	0-37,000 Volts
Resolution	1 Volt
Accuracy	± 1%, ± 2 Counts
Frequency	
50Hz	47 to 53Hz
60Hz	57 to 63Hz
Mechanical	
Controls	Single button operation
Display	5 Digit LCD
Storage	Four Readings
Weight, 8-133 Assembly	5.77 lbs, 2.62 kg
Weight, 8-121	1.4 lbs, 0.64 kg
Operating Temperature	-22° to +140° F, -30° to +60° C, Lithium battery required for temperatures below -4° F (-20°C)
Housing	Shock resistant molded urethane
Hot Stick Mounting	Shotgun or Universal. Hot stick not included.
Battery	9V Alkaline or Lithium (one each per Transmitter and Receiver)
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



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