



True RMS Voltstick

Radio Linked Multiple Reading Voltmeter



Model 8-133
Sensor Transmitter Meter



Model 8-121
Ampstik/Voltstik Receiver Display



AutoClamp

Receiver

Hook

Resistor

Probe

Extension Cable

Operators Manual

True RMS Radio Voltstik

Radio Linked Multiple Reading Voltmeter

Available Stock Codes:			
8-133 50HZ	8-133 50HZ (EU)	8-133 50HZ 869	8-133 50HZ AUS
8-133 60HZ	8-133 60HZ 869	8-121	8-121 EURO
8-121 AUS	8-121 869	8-121 FRG	

Table of Contents	Page
Safety Information	2
Specifications	2
FCC Statements	3
Temperature Applications	3
Voltstik Functions	4-5
High Voltage Operation	6
Battery Replacement	6
Cleaning	6
Operation Instructions	
Phase to Ground Measurements	7-10
Phase to Phase Measurements	11-14
Phase to Ground Measurements on UG Bushings	15
Probe & Auto Clamp Maintenance	16
Warranty	17
Quality Assurance	Back Cover

Safety Information

The True RMS Voltstik is designed for use with a suitable universal hot stick. All precautions appropriate for the line voltage should be taken. The hot stick should be considered the sole voltage isolation device. For safety purposes the face plate, battery cover and entire Voltstik Transmitter should be considered to be at the same potential.

Specifications

The True RMS Voltstik has been developed specifically for measurement of AC voltage in the electrical utility industry. The True RMS feature allows accurate measurement of voltage even when the nominal waveform is distorted or when harmonics are present. This instrument can be used remotely with any hotstick and universal chuck adapter. The case is water resistant and will withstand high physical impact. The following specifications apply:

Kit Number	6-133 Kit (Includes both 8-133 Voltstik & 8-121 Receiver)
Range of Operation	
Voltage	0 - 37kV
Frequency	
50Hz Calibrated	47 to 53Hz
60Hz Calibrated	57 to 63Hz
Resolution	1 Volt
Accuracy	± 1% ± 2 Volts
Mechanical	
Operation Controls	Single Button Operation
Weight	
8-133 Voltstik Assembly	5.77 lbs, 2.62 kg
8-121 Receiver	1.4 lbs, 0.64 kg
Display	Five Digit Display
Type of Reading	Four Readings
Housing	Shock and Water Resistant Molded Urethane
Hotstick Mounting	Universal Chuck Adapter (hotstick not included)
Battery	9 Volt (one each in Transmitter & Receiver)
Battery Life	Five days continuous use
Operating Temperature	-30° to +60° C (-22° to +140 ° F)
Radio	
Frequency Region One	869.58MHz
Frequency Region Two	916.48MHz
Frequency Region Three	916.48MHz
Power	1 milliwatt
Range	50 Feet (15.24 Meters)