



Clamp Ground Resistance Tester

- Auto-ranging ground resistance and leakage current measurements
- 0.001 Ω resolution for low resistance measurements
- 9999-count backlit LCD display
- Internal memory stores up to 99 readings
- User-adjustable alarms
- Data hold function
- Durable double-molded conductor clamp
- 1.26" (32mm) jaw size for large ground rods
- Low battery indicator and auto shut-off after 5 minutes
- Cat. III 300V safety rating
- Widely used to test the ground resistance of lightning arrestors, electrical distribution equipment, telecommunication systems, oil field equipment and gas station installations
- Includes: R5700 Ground Resistance Tester, 2 Resistance Calibration Loops (1 Ω and 10 Ω), Batteries and Hard Carrying Case
- Power Supply: 4 AA Batteries



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Model No.	Mfg. No.	Description	Price/Each
IB901	R5700	Resistance Tester	
IB902	R5700-NIST	Resistance Tester w/ISO Certificate	

Clamp-On Ground Resistance Tester

- Employs stakeless ground loop testing and non-intrusive leakage current measurement, making it ideal for system troubleshooting in commercial, industrial, and utility applications
- Take measurements without disconnecting or de-energizing the ground system under test
- Incorporates visible and audible alarms for dangerous voltage and current levels
- High-sensitivity measurement function of leakage current flowing to ground or circulating in ground loops from 0.2mA to 40A
- Contact voltage indication warns of unsafe conditions
- Selectable test frequency improves accuracy in inductive environments
- Buzzer and noise icon alert user to presence of dangerous voltage and current levels
- Data storage function with time-stamping allows up to 2000 measurements to be stored
- Designed to EN61010-1, 600V Cat. IV safety standards
- Applications include ground electrode system resistance, bonding/continuity checks, cell tower grounding verification, and ground measurements on railroad signaling systems
- Includes: (1) Clamp-On ground resistance tester, (1) Hard carrying case, (1) Calibration loop, (4) 1.5V AA batteries
- Resistance Measurement Range: 0.01 - 1500 Ω
- Current Measurement Range: 0.2 - 0.999 mA
- Resolution: 1 μ A
- Jaw Opening: 35 mm



AEMC
INSTRUMENTS

Model No.	Mfg. No.	Description	Price/Each
IC540	2141.01	Resistance Tester	

Non-Contact Phase Rotation Tester

- Non-contact voltage sensing alligator clips promote safety
- LEDs indicate phase orientation (clockwise or counter-clockwise) and whether each phase is live
- Adjustable LED brightness allows for measurement in sunlight and lowly lit environments
- Beeper sounds intermittently when detecting correct phase and continuously for a reversed phase
- Durable housing with magnets frees hands and allows for easy measurement
- Low battery indicator
- Includes: Rotation tester, 3 x color coded cables with alligator clips, battery and soft carrying case
- No. of Phases: 3
- Voltage Range: 75 to 1000VAC
- Overvoltage Category: CAT. III 1000V, CAT. IV 600V



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Model No.	Mfg. No.	Description	Price/Each
IB943	R5044	Non-Contact Phase Rotation Tester	
IC559	R5044-NIST	Non-Contact Phase Rotation Tester w/ISO Certificate	

LCR/Capacitance Meters

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- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (D), quality factor (Q), phase angle (ϕ), equivalent series/parallel resistance (ESR or Rp)
- Autoranging operation for AC impedance and DE resistance measurement
- Auto LCR smart check and measurement
- Series/Parallel modes
- Ls/Lp/Cp with D/Q/ ϕ /ESR parameters
- Support DCR mode 200 to 200M Ω
- High accuracy with 4 or 5 terminal Kelvin measurement
- Testing frequency is up to 10kHz and output frequency is up to 100kHz
- Includes test leads and batteries
- Accredited calibration available



SPECIFICATIONS:

Inductance Range: 2000.0 μ H/20.000/200.0/2000.0 mH/20.000/200.00/2000.0 H

Capacitance Range: 2000.0 pF/20.000/200.00/2000.0 nF/20.00/200.00/2000 μ F

Resistance Range: 20.000/200.00 Ω /2.0000/20.000/200.00 k Ω /2.0000/20.000/200.0 M Ω

Test Frequencies: 100/120/1k/10k/100k Hz

Model No.	Mfg. No.	Description	Price/Each
IA854	R5001	LCR/Capacitance Meter	
NJW155	R5001-NIST	LCR/Capacitance Meter w/ISO Certificate	

Voltage/Current Data Loggers

- Simultaneously measure 2 True RMS AC voltage inputs OR 2 AC current inputs OR 1 AC voltage and 1 AC current input
- User programmable sample rates from 1 second to 24 hours
- Stores up to 256,000 measurements
- User programmable high/low alarms
- LCD indicates time/date, current readings, Max/Min, Peak hold and whether alarm settings have been exceeded
- Download collected data through USB interface
- Auto power off and battery check
- Includes AC current clamp sensor and voltage sensor, USB cable, software, and battery
- Accredited calibration available



SPECIFICATIONS:

AC Current Range: 10 to 200A

AC Voltage Range: 10 to 600V

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Model No.	Mfg. No.	Description	Price/Each
IA856	R5003	AC Voltage/Current Data Logger	
NJW157	R5003-NIST	AC Voltage/Current Data Logger w/ISO Certificate	

Phase Sequence Testers

- Tests phase orientation of 3-phase power sources
- Indicates phase orientation (clockwise or counter-clockwise) and whether each of the three phases is live
- Also indicates direction of motor rotation
- Determines motor rotation without contact
- Easy to open alligator clips with wide jaws
- Double molded housing
- Cat. III 600V safety rating
- Input Voltage: 40 to 600 VAC
- Operating Frequency: 2 to 400 Hz
- Complete with cables with 3 colour-coded alligator clips, 9V battery and carrying case
- Accredited calibration available



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Model No.	Mfg. No.	Description	Price/Each
IA857	R5004	Phase Sequence/Motor Rotation Tester	
NJW158	R5004-NIST	Phase Sequence/Motor Rotation Tester w/ISO Certificate	