

# CAPACITANCE, PHASE & EARTH GROUND TESTERS

## CLAMP GROUND RESISTANCE TESTER

- Auto-ranging ground resistance and leakage current measurements
- 0.001  $\Omega$  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  $\Omega$  and 10  $\Omega$ ), Batteries and Hard Carrying Case
- Power Supply: 4 AA Batteries



**REED**

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

## 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



**REED**

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

**REED**

- Measure inductance/capacitance/resistance with secondary parameters including dissipation factor (D), quality factor (Q), phase angle ( $\phi$ ), 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/ $\phi$ /ESR parameters
- Support DCR mode 200 to 200M $\Omega$
- 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  $\mu$ 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  $\mu$ F  
**Resistance Range:** 20.000/200.00  $\Omega$ /2.0000/20.000/200.00 k $\Omega$ /2.0000/20.000/200.0 M $\Omega$   
**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

**REED**

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



**REED**

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	

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