



Phase Rotation Indicators

WITH OPEN PHASE CHECKER

- Designed to check the presence of an open phase and also the phase sequence with rotating disks and lamps
- Verifies a wide range of 3-phase power sources from 110 V to 600 V
- Colour-coded integrated test leads eliminate the risk of misconnection and meter damage



KYORITSU

| Model No. | Mfg. No. | Description | Price/Each |
|-----------|----------|--------------------------|------------|
| IA185 | KEW8031 | Phase Rotation Indicator | |

Phase Rotation Indicators

- A portable handheld instrument designed to detect the rotary field of three-phase systems
- With three test leads, this rugged tester easily determines a clockwise or counter-clockwise direction
- Large display to easily determine field rotation
- Ideal when connecting induction motors, replacing transformers and paralleling generators
- Nominal voltage from 40 V to 690 V AC
- Frequency range (fn) from 15 to 400 Hz
- Current pickup is 1 mA
- Nominal test current (in per phase) is 1 mA
- Cat. III 600 V safety rating
- Covered by a 2-year warranty
- Includes three test leads and probes, alligator clips and a user's manual



FLUKE

| Model No. | Mfg. No. | Description | Price/Each |
|-----------|----------|--------------------------|------------|
| IA250 | 9040 | Phase Rotation Indicator | |

Cable Tracers

- All components are fully fuse protected and intrinsically safe; and fit into a foam-lined carrying case
- Model R2000 Receiver has two detectors in its tip which are tuned to pick up the electromagnetic signals ('short' mode) or electrostatic signals ('open' mode) generated by other components
- LEDs and sensitivity settings indicate the relative signal strength to allow easy detection of the signal source
- Model S2600 Load Signal Generator, when connected to an energized line, will draw a rapidly fluctuating current pulse from the source, causing the power line to emit an electromagnetic signal which is detected by the R2000 in the 'short' mode
- Model T2200 Transmitter injects a signal into an unenergized conductor. If the conductor is broken (open), no current will flow, so the signal is present as a voltage pulse, which is detected along the conductor's length by the R2000's electrostatic detector ('open' mode)
- Model A2201 Inductive Clamp when clamped around the energized line and plugged into the T2200 will induce a signal onto the downstream (load) side to enable identification of equipment on that circuit
- Includes: Receiver, load signal generator, transmitter, clamp-on transmitter accessory, cordsets and adapter

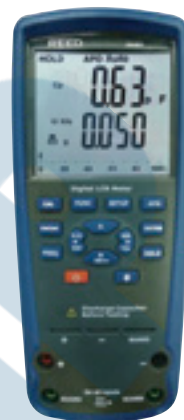


AMPROBE

| Model No. | Mfg. No. | Description | Price/Each |
|-----------|----------|----------------------|------------|
| HD909 | AT-2004 | Cable Tracing System | |

LCR/Capacitance Meters

- 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 200MΩ
- 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 μH/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 μF
Resistance Range: 20.000/200.00 Ω/2.0000/20.000/200.00 kΩ/2.0000/20.000/200.0 MΩ
Test Frequencies: 100/120/1k/10k/100k Hz

REED

| Model No. | Mfg. No. | Description | Price/Each |
|-----------|----------|-----------------------|------------|
| IA854 | R5001 | LCR/Capacitance Meter | |

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 | |

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 | |