

NEW

Megger Transformer Ohmmeter



- 2 channels with max 6A current output
- 48V test voltage for fast saturation of transformer
- Intuitive multimeter-like operation
- ±0.25% measurement accuracy
- Automatic passive discharge circuitry
- Rugged IP67 case

◀ **MTO106**

The MTO106 transformer ohmmeter is an easy-to-use instrument for safe and accurate measurement of winding resistance in distribution transformers, reactors, instrument transformers, motors, and generators. It can also be used to check wiring and all types of connections. The test current can be manually set in five different ranges to fit transformers of various sizes.

A single switch selects test current and a single button activates the test cycle. The instrument is supplied with test leads fitted with Kelvin clamps. The test leads are 10 m (33 ft) in length to allow for easy testing of pole mounted transformers. An automatic discharge function de-energizes the transformer winding at the end of every test. The discharge function is passive so it also functions if there is an inadvertent loss of power or if the test or mains leads are accidentally pulled.

SPECIFICATIONS

Measurement range:	10 μΩm to 30 kΩm
Open circuit test voltage:	up to 48 V DC
Measurement voltage:	up to 20 V DC
Operating temperature:	-20°C to +50°C (-4°F to +122°F)
Humidity (operating):	0% - 90% RH, non-condensing
Mains voltage:	100 - 240 V AC, 50 / 60 Hz, 400 VA (max)
Case:	Ruggedized plastic case with removable lid and carrying handle; IP 67 when closed
Dimensions (W x D x H):	360 x 304 x 194 mm (14.2 x 12 x 7.6 in.)
Display:	4-inch, backlit, monochrome alphanumeric display
Test leads:	2 x 10 m (33 ft), with banana plugs & Kelvin clamps
Ground lead:	1 x 5 m (16 ft), 2.5 mm ²

Current range	Resistance range	Accuracy	Resolution
6 A	10.00 mΩ to 5.000 Ω	±(0.25%rdg + 1 digit)	4 digits
6 A	0.010 mΩ to 9.999 mΩ	±(0.25%rdg + 2 digits)	0.001 mΩ
1 A	100.0 mΩ to 30.00 Ω	±(0.25%rdg + 1 digit)	4 digits
1 A	0.10 mΩ to 99.99 mΩ	±(0.25%rdg + 2 digits)	0.01 mΩ
100 mA	1.000 Ω to 300.0 Ω	±(0.25%rdg + 1 digit)	4 digits
100 mA	1.0 mΩ to 999.9 mΩ	±(0.25%rdg + 2 digits)	0.1 mΩ
10 mA	10.00 Ω to 3000 Ω	±(0.25%rdg + 1 digit)	4 digits
10 mA	0.010 Ω to 9.999 Ω	±(0.25%rdg + 2 digits)	0.001 Ω
1 mA	100.0 Ω to 30.00 kΩ	±(0.25%rdg + 1 digit)	4 digits
1 mA	0.10 Ω to 99.99 Ω	±(0.25%rdg + 2 digits)	0.01 Ω

ORDERING INFORMATION

ME/BN-19090	MTO106 Ohmmeter with leads & carry bag
ME/BN-19000	MTO106 Ohmmeter without leads or bag
ME/GA-03310	Dual channel measurement lead set for MTO106

Megger Phase Testers

Cable Phasing Meter



830220-1

- Safe low voltage operation
- 15 kV and 30 kV ranges
- Measures capacitance of test point if system voltage is known
- Checks phase rotation
- Phases out cables
- Battery operated
- Leather carrying case included

The Model 830220-1 Cable Phasing Meter offers a safe and quick method of measuring voltage and determining phase rotation of underground distribution systems using the capacitance test point of elbow connectors.

Phase Sequence Tester

- Indicates clockwise or counter-clockwise rotation
- Detects open A, B or C phase
- No moving parts, batteries or binding posts
- No power source required
- Rugged insulated enclosure
- Canvas carrying case included



PSI-700A

Motor & Phase Rotation Tester



560060

- Determine rotation direction of single & three phase motors before connecting to the line
- Identify phase sequence of energized power lines up to 600V
- Determine polarity of power and instrument transformers
- Check circuit continuity
- Four position knob selects test to be made
- Heavy duty case has hinged and removable lid
- Portable, battery operated
- 50/60 & 25/50/60/400 Hz models
- Supplied with alligator clip leads

SELECTION GUIDE

Catalog #	Description	Max. V	Frequency
560060	Motor & Phase Rotation Tester	600	50/60
560400	Motor & Phase Rotation Tester	600	25/50/60/400
830220-1	Cable Phasing Meter	30,000	50/60
PSI-700A	Phase Sequence Tester	700	50/60