

Megger® Insulation Resistance Testers

NEW

MIT200 Series Compact Testers

The MIT200 series of insulation and continuity testers are ideal for testing transformers, motors, generators, switchgear, instrument panels, domestic appliances, power tools etc., as well as fixed electrical wiring systems. Their small size and light weight make them ideal for those who need to carry the meter for extended periods. The display offers a combination of digital readout and analog display, using Megger's patented DART display technology, which include the benefits of a precise LCD display plus an analog pointer response for evaluating circuit charge and discharge characteristics. Each tester includes test leads and a carrying case.

Features include:

- IR measurements to 1000MΩ
- Test voltages to 1kV
- Live circuit warning and test inhibit
- Digital & analog (bar) display
- Continuity testing at 200mA down to 0.01Ω
- IP54 CAT III 600V rating
- -10 to +55°C operating temperature

MIT2500 2.5kV CAT IV Tester

The MIT2500 Insulation and Continuity Tester is designed for electrical and industrial test applications where operation voltages exceed 1000 V and higher insulation test voltages are needed. It offers both fixed range voltages of 50 V, 100V, 250 V, 500 V, 1000 V and 2500 V, as well as a variable range that allows any voltage between 50 V and 2500 V to be selected in 1 or 10V steps. This feature is supported by a new test voltage feedback control, which maintains the output test voltage to within 2% of the selected range, even under test. Dual digital displays show test results and test voltage simultaneously. Hands free 200 & 20mA continuity test ranges ensure the accurate measurement of circuit conductors and bonding. An audible continuity alarm speeds testing.

- Insulation resistance measurements to 200GΩ
- Fixed & variable test voltages to 2500V
- Large LCD with dual digital and analog arc displays
- Live circuit warning & test inhibit for voltage > 25-100V (user selectable)
- PI/DAR and Timer functions
- IP54 & CAT IV 600V rating

The MIT2500 offers TRMS & DC Voltage measurements to 600V, capacitance (to 10uF), frequency (to 400Hz) and test result storage. It also has Bluetooth for wireless data transfer using free Megger download software.

Hard carrying case, test leads & alkaline batteries are included. Optional accessories include a remote switch probe for "hands free" testing, AC charger, 12V DC car charger, NIMH batteries.

BM5200 5kV Tester

The Megger BM5200 tester is a battery powered instrument with digital and analogue arc display, designed for high voltage insulation resistance testing in the maintenance and servicing of cables, rotating plant machinery, transformers, switchgear and industrial installations. It features:

- 1 TΩ, 1.4 mA, 5 kV digital insulation tester with digital and analogue display
- Insulation (InS), Polarisation Index (PI) and variable timed test (t) modes
- Selectable DC or AC (incl. frequency) voltmeter functions
- Guard terminal to shunt surface leakage currents
- CATIII 600 V safety rating

Automatic discharge for capacitive circuits under test is provided and decaying voltage displayed. Design safety features include high voltage warning indicator, external voltage display after IR test, & automatic discharge of reactive loads. Carrying case, test leads & alkaline batteries are included.


MIT200
MIT2500

BM5200

APPLICATION

Electrical insulating materials deteriorate with time, leading to breakdowns and costly repair bills. Insulation resistance testers apply a regulated DC voltage across the insulation and measure current flow through it, applying Ohm's law to calculate insulation resistance (current flows because no insulation material is perfect). IR tester uses include product test and qualification, equipment installation, routine maintenance, troubleshooting.

For repeatable results, care should be taken to always employ the same test process and record temperature of the insulation as well as IR & voltage values.

ORDERING INFORMATION

Catalog No.	Model No.	Test Voltage (V dc)	Insulation Resistance	Resistance Range	Other Features	Power Source
ME/MIT200-EN	MIT200	500	0.01 to 1000 MΩ	0.01 to 100 Ω	Continuity buzzer	6 AA
ME/MIT210-EN	MIT210	1000				alkaline or NiMH
ME/MIT220-EN	MIT220	250, 500				batteries
ME/MIT230-EN	MIT230	250, 500, 1000				
ME/1006-764	MIT2500	50, 100, 250, 500, 1000, 2500, variable	0.01 MΩ to 200 GΩ	0.01 Ω to 1 MΩ	Voltage, capacitance & frequency measurement, Continuity buzzer, Test timer, PI & DAR tests, Bluetooth data transfer	6 AA alkaline or rechargeable NIMH battery (charger optional)
ME/1001-289	BM5200	250, 500, 1000, 2500, 5000	0.1 MΩ to 1 TΩ	---	Voltage & frequency measurement, Test timer, PI test	8 AA alkaline batteries