

Insulation testers

5kV, 10kV and 15kV - Insulation resistance testers - Megger

The Megger range of 5, 10 and 15kV insulation testers are known worldwide for their rugged dependability, long service life and accurate, reliable measurements. The extensive range of models means that there will always be a perfect match for your requirements. One common feature across the whole range is the Megger, 'no compromise' approach to safety. The Megger level of safety will always go further than simply complying with the relevant safety standards.

Another common feature is the intuitive colour custom display, with its ability to work in extreme environments and unbeatable viewing angle.

The range starts with the MIT (Megger Insulation Tester) models. These instruments provide an excellent level of noise immunity, test performance, and safety.

- RE>Act mode enhanced accuracy and safety
- PI predictor function (PIp)
- Measures up to 20TΩ
- Up to 3mA noise rejection
- Safety rated up to CAT IV 1000 V to 3000m
- Unique dual-case design - additional user protection
- Operates from battery or AC mains supply
- Rapid charge Li-ion battery

Essential - MIT515-2

The Essential models are perfect for performing 'go/no go' testing; no need to record test results; working in tough locations; using under 10kV test voltage.

Advanced - MIT525-2/ MIT1025-2/ MIT1525-2

The Advanced models are an ideal choice if, in addition to the above, you need to record test results, transfer results to software/mobile app (via USB or Bluetooth LE), and want the benefits of more diagnostic insulation testing.

MIT515-2



MIT525-2 MIT1025-2 MIT1525-2

Part no.	MIT515-2	MIT525-2	MIT1025-2	MIT1525-2
AC Voltage	90-264V rms, 47- 63Hz 100VA			
Battery charge (Hrs)	2.5 hours deep discharge, 2 hours normal discharge			
Battery voltage (V)	10.8V, 5.2 Ah Li-ion batteries, meet IEC 62133:2003			
Battery life (Hrs)	6 hours (typical) continuous testing at 5kV with a 100MΩ load		4.5 hours (typical) continuous testing at 10kV with a 100MΩ load	4.5 hours (typical) continuous testing at 10kV with a 100MΩ load
Auto power off	Instrument turns off after a few minutes if not used to conserve battery life			
30min quick charge	1 hour operation at 5kV with a 100MΩ load			
Test voltage (V)	250V, 500V, 1000V, 2500V, 5000V, User defined test voltage.		500V, 1000V, 2500V, 5000V, 10000V, User defined test voltage.	1000V, 2500V, 5000V, 10000V, 15000V, User defined test voltage.
User defined test (V)	40V to 1kV in 10V steps		100V to 1kV in 10V steps	100V to 1kV in 10V steps
Test voltage accuracy	+4%, -0%, ±10V nominal test voltage at 1GΩ load (0°C to 30°C)			
Resistance range	10kΩ to 15TΩ @ 5kV		10kΩ to 20TΩ @ 10kV,	10kΩ to 30TΩ @ 15kV
Re<Act	Reabsorption current measurement nominal accuracy. Operational up to 30V external applied.			

The Advanced range also adds additional noise immunity for power distribution environments, and the ability to either increase or decrease the output current.

MIT5152-2



Applications

Applications for the MIT and S1 range of insulation testers is wide and varied. Here is short example list, but remember this is not exhaustive.

Suitable for varied testing reasons:

- During manufacture, as part of quality inspection or safety checking prior to shipment
- Prior to product/asset shipment to provide benchmark measurements
- On site inspection, comparing to benchmark results, to ensure everything is good before installation
- Checking after installation of a new asset
- During maintenance to drive predictive maintenance
- Following repair prior to powering up

Suitable for varied environments:

- Production line
- On construction sites
- Industrial locations
- Power distribution

Suitable for many assets, the list is endless:

- Cables of all types
- Power transformers
- Measurement transformers
- Circuit breakers
- Motors
- Generators
- Bushings