

MIT500 Series Industrial Insulation Testers - 10kV

Robust and reliable testers for high performance in the real-world. The new MIT series: MIT515, MIT525, MIT1025 are designed for industrial and power distribution applications.

The New MIT 515 ([763-9267](#)) instrument can be used to perform both simple Go No-Go insulation tests and basic diagnostic insulation tests such as Polarisation Index (PI).

There are two new advanced models: MIT 525 ([763-9260](#)) and MIT1025 ([763-9264](#)) with memory and diagnostic insulation testing. The 10 kV MIT1025 is suited to more rigorous testing of higher voltage equipment. The 5kV models test to 10TOhm while the 10kV models will test to 20TOhm and all instruments have a fully specified guard terminal/circuit to allow accurate results in a wide range of test situations. You can test from battery or from AC power and benefit from a long battery life and a rapid recharge time. To assist with storing and trending results, both the MIT525 and MIT1025 include memory and download to PC via USB, as well as additional diagnostic tests, such as Step Voltage (SV) and ramp test.

- 10 TΩ (5 kV) / 20 TΩ (10 kV) max. insulation resistance
- Timed IR plus PI and DAR diagnostic tests
- Operate with dead battery when on line power/mains
- Rapid charge Li-ion battery – up to 6 hrs continuous testing (5 kV)
- Dedicated voltmeter function (30 V to 660 V)
- CATIV 600 V safety rating
- Large LCD display with automatic backlight
- Noise filter – rejects up to 3 mA noise
- High altitude operation up to 3000 m

MIT525/1025 ADDITIONAL FEATURES:

- Dielectric Discharge (DD), Step Voltage (SV) and ramp test functions
- Advanced memory with time/date stamp, on screen recall
- Real time clock
- Download of memory via isolated USB (type B) interface (USB cable to PC)
- PowerDB Lite asset management software

Supplied with

MIT515: User guide CD, power lead, 3 m leadset x 3, medium insulated clips

MIT525: User guide CD, power lead, 3 m leadset x 3, medium insulated clips, USB cable, PowerDB Lite software

MIT1025: User guide CD, power lead, 3 m leadset x 3, medium insulated clips, 3 m leadset x 3, large insulated clips, USB cable, PowerDB Lite software

Megger Insulation Tester

The Megger MIT525 5kV lightweight and compact insulation tester are used for diagnostics testing and maintenance of high voltage electrical equipment. It measures insulation resistance up to 10TOhm and offers tests such as polarisation index, dielectric absorption ratio, step voltage, dielectric discharge and ramp testing. This device has a lithium-ion battery and the large, clear and easy to read display makes it suitable for use in sunlight and poorly lit environments. The information displayed by it includes resistance, voltage, leakage current, capacitance, battery status and time constant. The elapsed time is also displayed constantly, which reduces the need for a separate timer.

Features and Benefits

PI, DAR, DD, SV and ramp test Improved productivity : Operates from line power/mains if battery is dead Li ion battery - extended capacity, rapid charge Advanced memory with time/date stamp Unique locking HV insulated plugs No detachable clips for safety with capacitance Screened options for high noise environments High-quality silicon double insulated cable

Applications

Industrial sites Cable testing Motor testing Automotive ESD Panel building Avionics Maintenance sites

Certifications

CATIV 600 V

Specification

Attribute	Value
Tester Type	Insulation Resistance Tester
Minimum Test Voltage	250V
Maximum Test Voltage	1p000V
Maximum Insulation Resistance Measurement	10TΩ
Display Type	LCD
Test Current	6mA
Battery Life	6 h
Minimum Operating Temperature	-20°C
Maximum Operating Temperature	+50°C
Power Source	Battery, Mains
Safety Category	CAT IV
Height	181mm
Dimensions	315 x 285 x 181mm
Model Number p	MIT525
Weight	4.5kg
Battery Type	Lithium-Ion
Width	285mm
Length	315mm