

15 kV heavy duty diagnostic insulation tester

MIT1525

Offering test voltages up to 15 kV and a maximum insulation resistance reading of 30 TΩ the MIT1525 extends the users' ability to monitor the aging of insulation. Diagnostic tests available include IR, timed IR, polarization index (PI), dielectric absorption

ratio (DAR), step voltage, dielectric discharge and ramp testing as automatic tests. The results are time and date stamped and stored on board or they can be downloaded in real time.

- **15 kV test voltage – increases test current, helping to avoid negative current when testing high resistance insulation.**
- **CATIV 1000 V safety on all test terminals to 3000 m.**
- **Rapid charge of capacitive loads such as HV power cables.**
- **Always ready to test with Li-ion fast charge battery or from an AC source.**
- **Designed to be durable and survive in the harshest of environments.**
- **High noise immunity 6 mA.**
- **High 3 mA short circuit current.**
- **Download/stream results.**
- **2 year warranty.**



5 and 10 kV diagnostic insulation resistance testers

FEATURES

- Industry best guard terminal accuracy.
- Compact and lightweight for easy transport and use.
- PI, DAR, DD, SV and ramp test.
- Unique dual case design provides additional user protection.
- Lithium-ion battery - extended capacity, rapid charge.
- Advanced memory with time/date stamp.
- CATIV 600 V safety rating on all terminals.



5 kV heavy duty diagnostic insulation resistance tester

MIT525

The MIT525 performs all the insulation tests offered by MIT515 and extends the testing capabilities to include step voltage, dielectric discharge and ramp testing. Test data can be downloaded in real time using the 10 kV isolated

USB port, or stored in the instrument's advanced memory. Smaller and lighter than its predecessors, these new testers are easier to store on a van, fit in an overhead locker on an aircraft and are more convenient to carry to the job.

10 kV heavy duty diagnostic insulation resistance tester

MIT1025

The MIT1025 tests insulation to 20 TΩ at test voltages up to 10 kV. It has increased diagnostic potential over its predecessors by offering IR, timed IR, polarization index (PI), dielectric absorption ratio (DAR), step voltage, dielectric

discharge and ramp testing as automatic tests. The results are time and date stamped and stored on board or they can be downloaded in real time.



5 kV heavy duty diagnostic insulation resistance tester

MIT515

Offering CATIV safety and Megger's unique dual case design, MIT515 is an easy to operate insulation resistance tester that is very tough.

Measuring up to 10 TΩ, it allows IR, timed IR, polarization index (PI) and dielectric absorption ratio (DAR) to be measured automatically.

Selection guide for the 5, 10 and 15 kV insulation testers

Selection guide for the 5, 10 and 15 kV insulation testers								
		MIT515	MIT525	MIT1025	MIT1525	S1-568	S1-1068	S1-1568
Test voltage	15.0 kV				■			■
	10.0 kV			■	■		■	■
	5.0 kV	■	■	■	■	■	■	■
	2.5 kV	■	■	■	■	■	■	■
	1.0 kV	■	■	■	■	■	■	■
	500 V	■	■	■		■	■	
	250 V	■	■			■		
	100 V to 1 kV in 10 V steps	■	■	■	■			
	1 kV to max test voltage in 25 V steps	■	■	■	■	■	■	■
	40 V to 1 kV in 10 V steps					■	■	■
Measurement	Max reading	10 TΩ	10 TΩ	20 TΩ	30 TΩ	35 TΩ	30 TΩ	35 TΩ
	Min reading	10 kΩ	10 kΩ	10 kΩ	10 kΩ	10 kΩ	10 kΩ	10 kΩ
	Voltage	■	■	■	■	■	■	■
	Capacitance	■	■	■	■	■	■	■
	Leakage current	■	■	■	■	■	■	■
	Test types	Timed insulation resistance	■	■	■	■	■	■
Polarization index		■	■	■	■	■	■	■
Dielectric absorption index		■	■	■	■	■	■	■
step voltage			■	■	■	■	■	■
dielectric discharge			■	■	■	■	■	■
Ramp			■	■	■	■	■	■
Other feature	Other feature Analogue and digital display	■	■	■	■	■	■	■
	Short circuit current	3 mA	3 mA	3 mA	3 mA	6 mA	6 mA	6 mA
	Rechargeable	■	■	■	■	■	■	■
	Timer control and display	■	■	■	■	■	■	■
	Max noise rejection	3 mA	3 mA	3 mA	6 mA	8 mA	8 mA	8 mA
	Remote control via USB port					■	■	■
	USB output		■	■	■	■	■	■
	Bluetooth output					■	■	■
Software	Software PowerDB Lite	■	■	■	■	■	■	■

5, 10 and 15 kV test leads

Megger provides a range of lead sets and clips of different sizes and electrical characteristics for use with Megger 5,10 and 15 kV insulation resistance testers, enabling the user to choose the most applicable set for the work at hand.

These leads are designed in full compliance with IEC61010-031:2008 which requires a fully insulated clip design.

Cat. No.	Description
1008-022	3m (10ft), 6 kV MEDIUM insulated clip, set of 3
1002-641	5m (16ft), 6 kV MEDIUM insulated clip, set of 3
1002-642	8m (26ft), 6 kV MEDIUM insulated clip, set of 3
1002-643	10m (33ft), 6 kV MEDIUM insulated clip, set of 3
1002-644	15m (50ft), 6 kV MEDIUM insulated clip, set of 3
1005-262	3m leadset (x 3, red, blue, black) , medium insulated clips
1005-263	10m leadset (x 3, red, blue, black) , medium insulated clips
1007-311	3m (10ft), 10 kV LARGE insulated clip, set of 3
1002-645	5m (16ft), 10 kV LARGE insulated clip, set of 3
1002-646	8m (26ft), 10 kV LARGE insulated clip, set of 3
1002-647	10m (33ft), 10 kV LARGE insulated clip, set of 3
1002-648	15m (50ft), 10 kV LARGE insulated clip, set of 3
1005-259	5m leadset (x 3, red, blue, black) , large insulated clips
1005-260	10m leadset (x 3, red, blue, black) , large insulated clips
1005-261	15m leadset (x 3, red, blue, black) , large insulated clips
8101-181	3m (10ft), BARE COMPACT clip, set of 3
8101-182	8m (26ft), BARE COMPACT clip, set of 3
8101-183	15m (50ft), BARE COMPACT clip, set of 3
6220-835	3m (10ft), BARE COMPACT clip, 5 kV SCREENED black lead, 3 clips, 2 leads
6311-080	15m (50ft), BARE COMPACT clip, 5 kV SCREENED black lead, 3 clips, 2 leads
6220-834	3m (10ft), BARE COMPACT clip, 10 kV SCREENED black lead, 3 clips, 2 leads
6220-861	10m (33ft), BARE COMPACT clip, 10 kV SCREENED black lead, 3 clips, 2 leads
6220-833	15m (50ft), BARE COMPACT clip, 10 kV SCREENED black lead, 3 clips, 2 leads
1005-266	3m (9.8ft) Leadset, 15kV Screened, large insulated clips
1005-267	10m (33ft) Leadset, 15kV Screened, large insulated clips
1005-268	15m (49ft) Leadset, 15kV Screened, large insulated clips
1005-269	20m (66ft) Leadset, 15kV Screened, large insulated clips
6220-822	3m (10ft), 1kV insulated probe and clip set for CONTROL CIRCUIT TESTING, set of 2
1005-264	3m (10ft), 1kV insulated probe and clip set for CONTROL CIRCUIT TESTING, set of 2
1002-913	1.25m (4ft) 1kV insulated FUSED probe and clip set for <1 kV voltage measurements, set of 2.
1005-265	1.25m (4ft) 1kV insulated FUSED probe and clip set for <1 kV voltage measurements, set of 2.

