

5, 10 and 15 kV utility insulation resistance testers

FEATURES

- Resistance range up to 35 TΩ.
- 8 mA noise rejection plus 4 filters.
- Safety up to CATIV 1000V to 4000 m.
- Rapid charge Li-ion battery – meets IEC62133.
- Operate with dead battery from an AC source.
- Tough dual case design.



5 kV utility insulation resistance tester

S1-568

With exceptionally high noise rejection, the fast charging S1-568 offers the full gamut of automatic insulation tests with 8 mA of noise rejection, IR, timed IR, polarization index (PI), dielectric absorption ratio (DAR), programmable step voltage (SS), dielectric discharge (DD) and ramp. The S1-568 allows the operator to control the test remotely

from a computer using the 10 kV isolated USB port, to store the date and time stamped results on board or to download them in real time using Bluetooth. This is the perfect tester for the itinerant contractor as it will give results in any electrical environment.

10 kV utility insulation resistance tester

S1-1068

With a full 8 mA of noise rejection and 4 levels of filtering the fast charging S1-1068 obtains meaningful results in extremely hostile environments. Offering the full gamut of automatic insulation tests, IR, timed IR, polarization index (PI), dielectric absorption ratio (DAR), step voltage, dielectric discharge and ramp, the S1-1068 allows the

operator to control the test remotely from a computer using the 10 kV isolated USB port, to store the date and time stamped results on board or to download them in real time using Bluetooth. This is the perfect tester for the itinerant contractor as it will give results in any electrical environment.



15 kV utility insulation resistance tester

S1-1568

A maximum resistance measurement of 35 T Ω and 15 kV test voltage are additional features of this instrument, which displays the same exceptionally high noise rejection as the other testers in the series. 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.

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 and15 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-

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.

