

INSULATION RESISTANCE TEST EQUIPMENT

5 KV INSULATION RESISTANCE TESTERS

AVO has six models from which to choose. All 5-kV insulation resistance testers offer the electrician, maintenance engineer, and repair technician flexibility, versatility, and capability as never before!

Megger® Models BM11D, BM21 and BM25

These models offer more than any other 5 kV Insulation Resistance Tester on the market today. Digital/analog displays combine the diagnostic capabilities of pointer observation with the fixed accuracy of digital readout. Keypad controls combine easy operation with the familiar rugged portability.

The BM11D offers an increased measurement range, to 500 GΩ digital, 1 TΩ analog.

The BM21 offers even greater range, to 5 TΩ digital and 1 TΩ analog, plus measurement of leakage current directly in nA and μA, and capacitance of the test item at the conclusion of the test.

The BM21 has two additional features that set it apart. Test voltage is adjustable in increments of 25 V over the entire range, making it virtually a continuously adjustable tester. And, a built-in timer can be set to terminate the test at a specific interval with final readings retained. An additional handy feature is a burn mode that permits visual detection of weak spots by continuous flow of breakdown current.

The BM25 offers all of the features above plus automated testing and RS232 port. Three industry-standard test procedures are preprogrammed and can be run automatically, at the mere touch of the keypad control. These are Polarization Index (PI) and Step Voltage, plus the newly-developed Dielectric Discharge test that can be used to detect a bad layer in multilayer insulation. An optically isolated RS232 enables computer interface and downloading of results.

Megger® Model BM11

This model is an analog tester with large, easy-to-read scale, ideal for careful observation of insulation performance during an extended test. With rechargeable power supply, the unit is both portable and rugged. Four test voltages, up to 5000 V, permit measurement to 100,000 MΩ. There is a warning of external voltage, while stored test charge is safely discharged, and monitored on a voltmeter scale to 1000 V ac or dc.

Megger® Models MJ15 and BM15

The BM15 and MJ15 are compact 5-kV insulation testers that are simple to use and provide a quick, accurate reading of insulation resistance. Both instruments offer four test voltages (500 V, 1 kV, 2.5 kV, 5 kV), analog scales, and measurement sensitivity to 20 GΩ. A bezel allows a scale plate overlay to be added then marked for trend monitoring or with pass/fail bands for "go/no go" testing, simplifying the procedure for less experienced users.

Both units include "pass/fail" display overlays for rapid "go/no go" testing and trend analysis.

The BM15 is powered by 8 "AA" or rechargeable alkaline batteries while the MJ15 includes a hand-crank generator in addition to battery power.

Ordering Information for 5 kV Megger® Insulation Resistance Testers

Model No.	Catalog No.	Test Voltage (Vdc)	Insulation Resistance	Power Source	Display
BM11	218650	500 1000 2500 5000	0 — 100,000 MΩ	Rech. Battery	Analog
BM11D	218651	500 1000 2500 5 kV	10 kΩ — 50 GΩ 10 kΩ — 100 GΩ 10 kΩ — 250 GΩ 10 kΩ — 500 GΩ	Rech. Battery	Analog/ Digital
BM21	218621	500 1000 2500 5 kV	10 kΩ — 500 GΩ 10 kΩ — 1 TΩ 10 kΩ — 2.5 TΩ 10 kΩ — 5 TΩ	Rech. Battery	Analog/ Digital
BM25	BM25	500 1000 2500 5 kV	10 kΩ — 500 GΩ 10 kΩ — 1 TΩ 10 kΩ — 2.5 TΩ 10 kΩ — 5 TΩ	Rech. Battery	Analog/ Digital
BM15	BM15	500 1000 2500 5 kV	100 kΩ — 20 GΩ	Battery	Analog
MJ15	MJ15	500 1000 2500 5 kV	100 kΩ — 20 GΩ	Battery/ Hand-cranked	Analog