

MARTINDALE ELECTRIC CO.

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AC - High Voltage Insulation Testers

High voltage insulation testers indicate breakdowns, grounds, and shorts. Use them to apply a high-voltage test at various steps in the manufacture or repair of electrical products. This permits early detection of insulation weakness or failure that might otherwise show up only in the actual use.

These testers are built with a breakdown light which also serves as an "on" light. This indicating light dims or goes out completely to indicate a problem.

In addition, 4 models have a built-in safety switch that immediately stops current flow in the event of a breakdown. Along with the visual indication of a problem these units also have a buzzer which signals a problem. These units will shut down in the event of a breakdown and will not start up again until the start/reset button is reset.

All units are supplied with self retracting probed test leads. The probes are spring loaded and housed within the insulated fibre handles. The fibre slide buttons are pressed to expose the test probes. This safety feature minimizes the chance of accidental contact with the probes.



Five Test Voltages: 500, 1080, 1250, 1750, 2000 and 2500V

Net Weight 18 lbs., Shipping Weight 20 lbs.

Model	115 V.	230 V.	Output Meter	Automatic Shutdown	Catalog Number
2109	✓			✓	INST2109A
2110	✓				INST2110A
2119	✓		✓	✓	INST2119A
2120	✓		✓		INST2120A
2129		✓		✓	INST2129B
2130		✓			INST2130B
2139		✓	✓	✓	INST2139B
2140		✓	✓		INST2140B

5000V DC Hipot

Specifications:

Input Voltage:	115/230V selectable
Output:	Rating: DC 0 - 5000V, 3 mA
Voltage Setting:	0V - 5kV, 10 volts/step
Ripple:	< 5% at 5KVDC / 3 mA
Dwell Time:	0, 1 or 60
Setting:	"0" for continuous running
Ramp Timer:	0 and 0.2 - 999.9 seconds, 0.1 second / step 0 ramp setting = 0.1 seconds fixed ramp
Failure Settings:	High Limit: 0.02 - 3.00 mA, 0.01 mA / Step Accuracy: ± (2% of setting + 0.02 mA)
Voltmeter (4 digits):	Range: DC 0.00 - 5.00 KV Accuracy: ± (2% of reading + 10 V)
Ammeter (4 digits):	Range: DC 0.00 - 3.00 mA Accuracy: ± (2% of reading + 0.02 mA)
Timer Display:	Range: 0.0 - 999.9 seconds
Dimensions:	4-3/4" x 5-3/4" x 14-1/2"
Weight:	Net: 16 lbs., Gross: 18 lbs.



Model 2503

Features:

⇨ This model meets the UL, CSA, VDE, IEC, and UL 120K Ohm test requirement. This unit feature audible and visual failure alarms, and shut off high voltage upon reject.

⇨ Operators can set output voltages and trip currents to desired levels in the absence of any high voltage, a key safety feature that conventional analog hipot testers lack.

⇨ Easy-to-read digital display simplifies the task of setting test parameters and interpreting test results. Meter memory allows operators to review the last test results.

Model 2503, with Safety Probe with 6 ft. lead,
Ground Return Clip with 6 ft. lead, and
High Voltage Clip with 6 ft. lead

Catalog Number

MEGT2503