

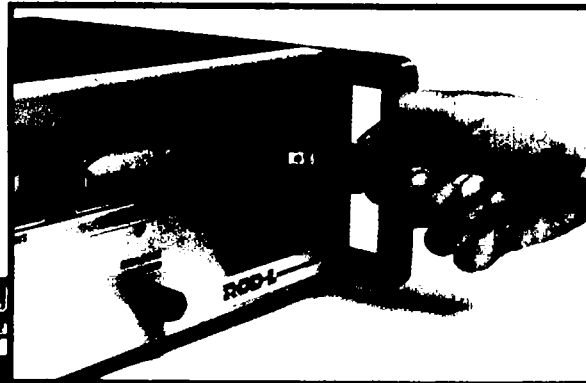
ELECTRONICS, INC.



Listed

HI-POT DIELECTRIC WITHSTAND TESTER

FAST

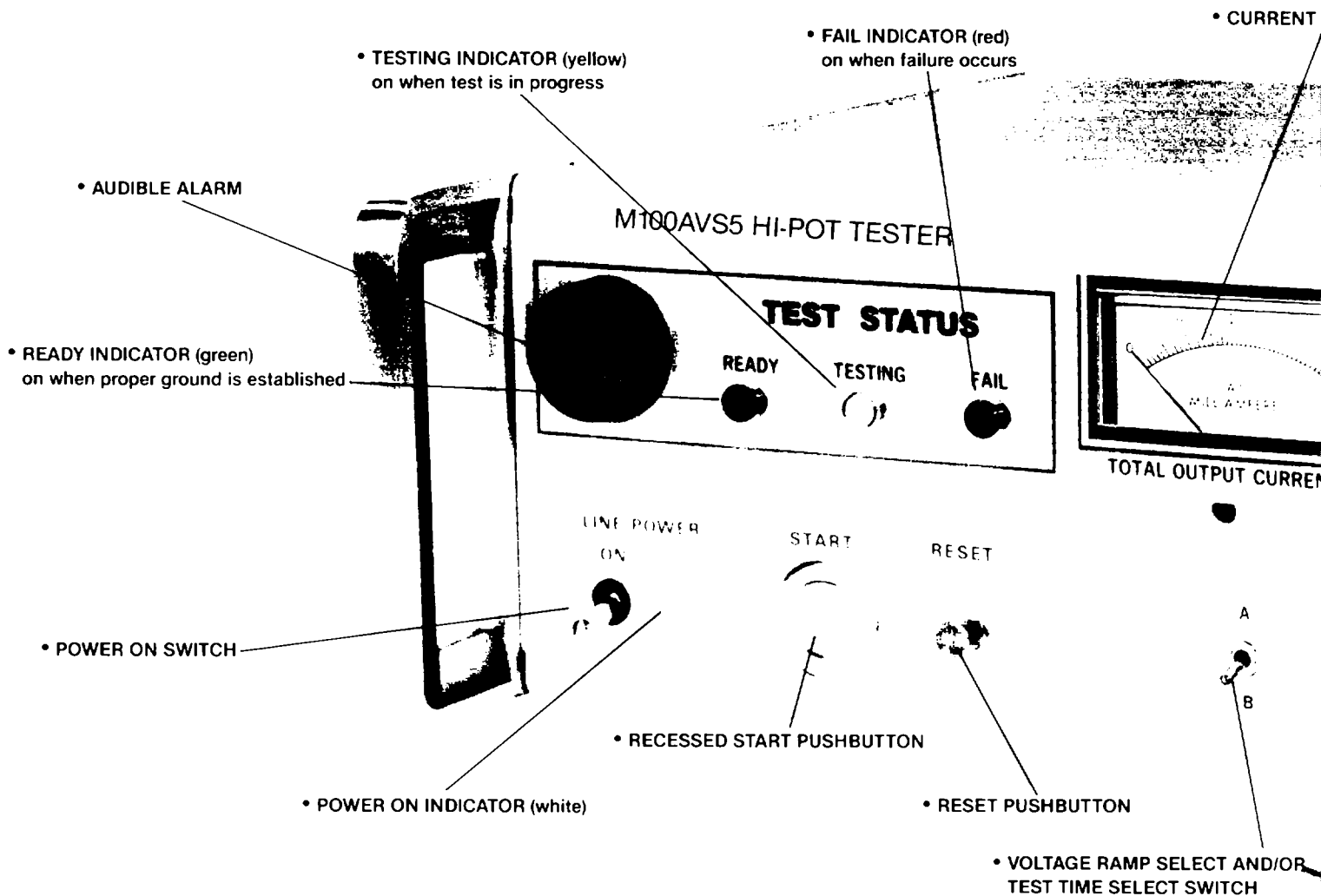


SAFE



EFFICIENT

Like no other hi-pot tester you've ever seen.



Now you can perform safe, rapid testing for dielectric withstand and ground continuity in one simple operation.

The ROD-L Hi-Pot Testers are designed to perform the tests specified by U.L., I.E.C., C.S.A., V.D.E. and F.C.C. The hipot test is a potentially dangerous operation, so the ROD-L product line has been designed with emphasis on safety, on efficiency and on speed with which the test can be made. ROD-L was the first hipot tester line to merit U.L. Listing (File E-58530) and still has the only listed hipot tester.

Safe, Fast and Efficient

With a Rod-L Hi-Pot Tester you get all these standard features:

- electronically controlled voltage rate-of-rise to ensure gradual, smooth and consistent rise time (eliminates harmful voltage spikes).
- electronically controlled voltage shutdown. Fast shutdown (2 ms) prevents harm to operator and protects the device under test.
- electronic, adjustable timing circuit to provide accurate, reliable test time (1 sec to 90 seconds).
- front panel receptacle, rated to withstand 5000 VAC, for direct plug-in of device under test or for plug-in of test fixture; provides maximum safety and dramatically reduces the time required to perform the test.

- concurrent dielectric withstand and ground continuity tests in a single operation.
- security chassis ground test to ensure operator safety.
- completely solid state for reliability, TTL logic allows computer interface.
- rack mountable.
- performs all U.L., C.S.A., I.E.C., V.D.E., and F.C.C., etc., test requirements.
- detects arcs down to 10 microseconds.

Simple operation

The hipot tester applies the test voltage to the device being tested for a duration of time preset from 1 second to 90 seconds. The device under test simply plugs into the front panel outlet, rather than being attached with clip leads. Clip leads can be used, however, for devices without a power cord.

Test limits for leakage current are preset by the user via a rear control panel. In the event of failure, automatic circuitry turns off the high voltage within 2 ms, lights the "failure" lamp and sets off an audible alarm. This audible and visual alarm must be reset manually (meets U.L. requirements).

Use a Rod-L Hi-Pot Tester for quality assurance testing, incoming inspection, and in-product development.

INDICATOR

• OUTPUT VOLTAGE INDICATOR

• HIGH VOLTAGE CONNECTOR
for safe, direct plug in



Voltage and Current Configurations

M100 Series

Maximum Output Voltage	Maximum Current Limit			
	10mA	25mA	40mA	50mA
1500 VAC	●	●	●	●
2800 VAC	●	●	●	
5000 VAC	●	●		

M500 Series

Maximum Output Voltage	Maximum Current Limit		
	100mA	200mA	333mA
1500 VAC	●	●	●
2800 VAC	●	●	
5000 VAC	●		

M100/500 Series

Standard Features	Models	
	AVS5	BVS5
VARIABLE VOLTAGE	YES	YES
VARIABLE CURRENT LIMIT	YES	YES
REAL CURRENT DETECTOR	NO	YES
FRONT PANEL DWELL TIME SELECT	YES	YES
FRONT PANEL RISE TIME SELECT	YES	YES

NOW, a tester powerful enough to perform AC hipot tests on devices with capacitors or capacitor-type filters.

* Other voltages available on request

Specifications



Input Power	115/230-VAC, 50/60 Hz, 300-watts for M100, 500-watts for M500
Test Voltage*	User specified maximum—pre-adjustable from zero volts to full scale
Output Current*	User specified maximum—pre-adjustable up to full scale
Voltage Ramp Time	1 second to 30 seconds, user adjustable
Test Interval	1 to 90 seconds, user adjustable
Shutdown	2 milliseconds after any test—pass or fail
Arc Detection	Arc duration 10 microseconds or greater
Dimensions	16 3/4" x 5 1/4" x 13 1/4" (43 cm x 13 cm x 34 cm)
Weight	M100—26 lbs (12 kg) Net 30 lbs (14 kg) Shipping M500—30 lbs (14 kg) Net 35 lbs (16 kg) Shipping
Color	Mint Grey/Olive Grey

**Available voltage/current configurations are shown inside this brochure*

OPTIONS

- 01 - Remote Control (TTL Level Logic)
- 02 - Front Panel Dwell Time Adjust
- 03 - Front Panel Rise Time Adjust
- 05 - Hands Off Operation
- 06 - Rear Panel Lockout Cover
- 08 - Switch Selectable Current Fail Points
- 10 - Audible Testing Tone
- 15 - Rack Mounting
- 18 - OHMS Sense
- 21 - Under Current

OTHER ROD-L PRODUCTS

- M100 DC—DC Hipot Test Instrument
- M488—IEEE 488 Bus-Compatible Hipot Test Instrument
- M25—25 Amp Ground Continuity Test Instrument
- M600CST—Power Cord Set Test System
- M300RT—DC Insulation Resistance Test Instrument
- M900A—International Receptacle Fixture



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