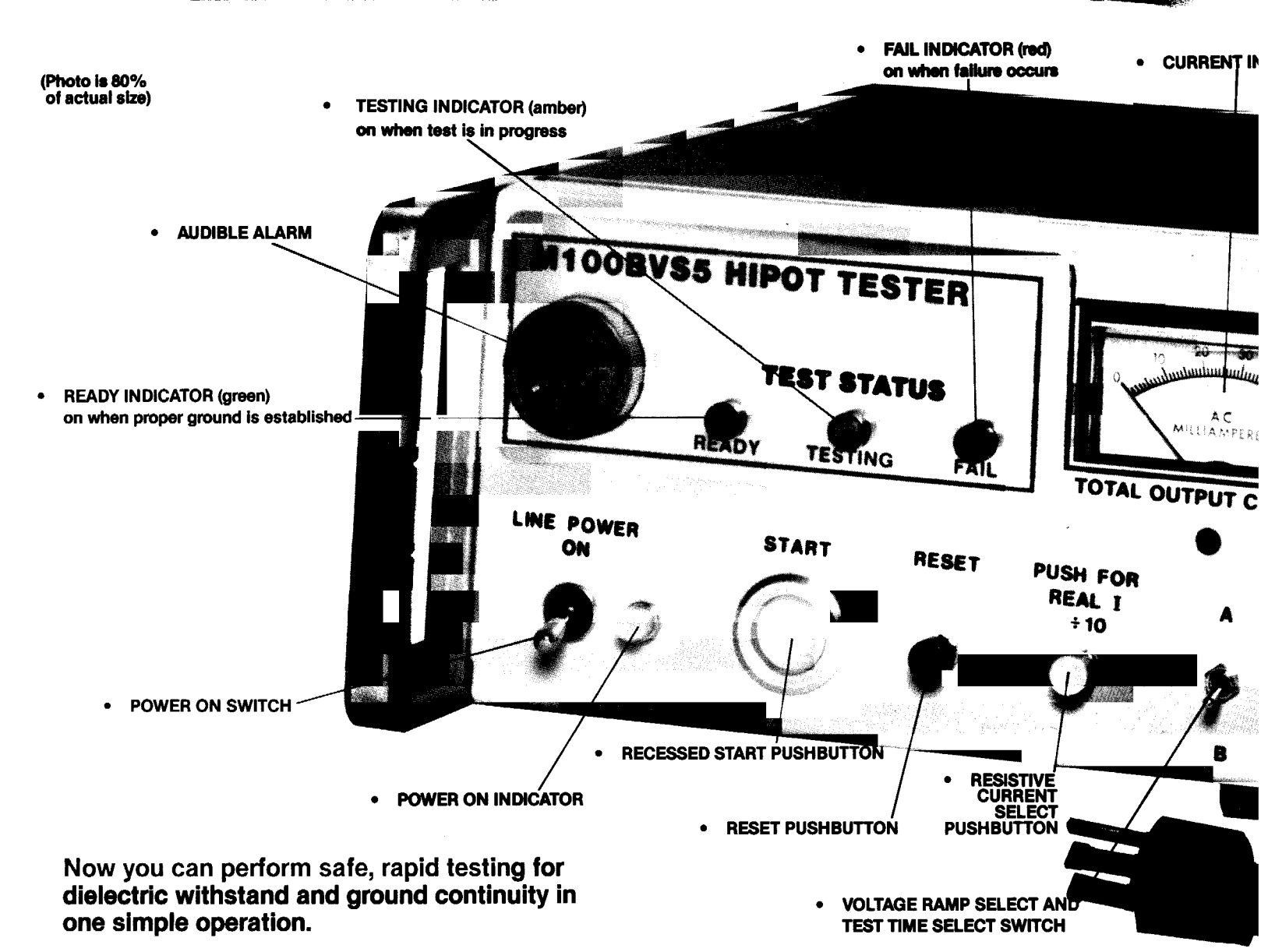


Now you can perform safe, rapid testing for dielectric withstand and ground continuity in one simple operation.

The ROD-L Hipot 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 Hipot Tester you get all these standard features:

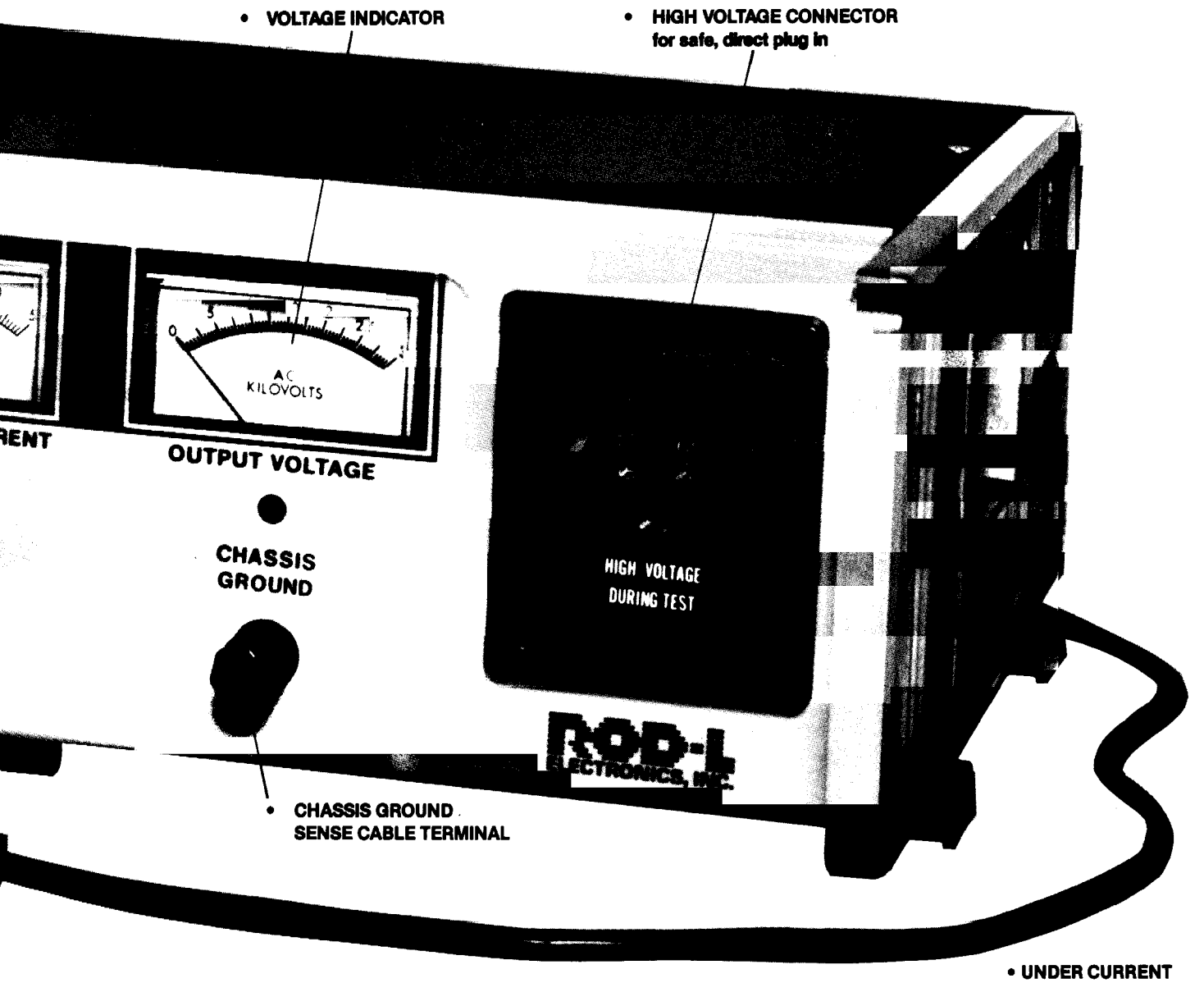
- electronically controlled voltage rate-of-rise to ensure gradual, smooth and consistent rise time (eliminates harmful voltage spikes).
- electronically controlled voltage shutdown. Fast shutdown (2 ms) prevents harm to operator and protects the device under test.
- electronic, adjustable timing circuit 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.
- performs ground continuity test of .5 ohm resistance standard (.1 ohm available) at 1.5 VAC
- 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 duration or greater.

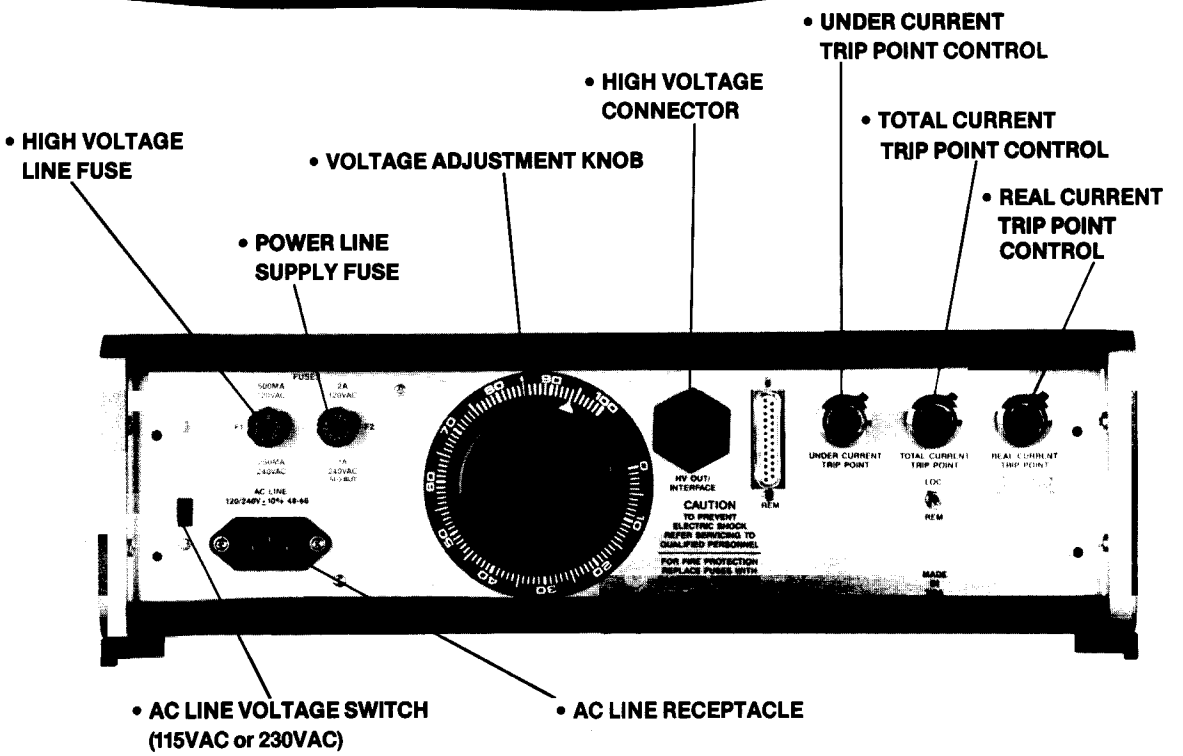
Simple operation

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 Hipot Tester for quality assurance testing, incoming inspection, and in-product development.

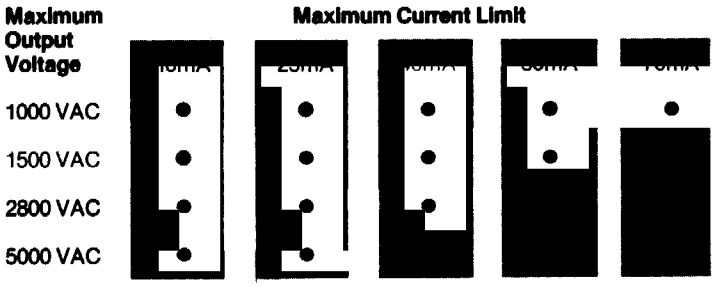




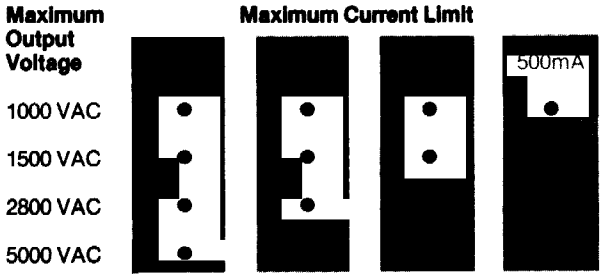
This is the rear view of the ROD-L Hi-Pot Tester M100 BVS5. Rear panel configuration is dependent on model.

Voltage and Current Configurations

M100 Series



M500 Series



* Other voltages available on request

BV Models have Real (Resistive) Current measurement (to null capacitive current)

How to specify desired model:

Specify: SERIES	MODEL	VOLTAGE	CURRENT
Example: M100	AVS5	2.8	40

Where: **SERIES** is M100 or M500
MODEL is AVS5 or BVS5
VOLTAGE is maximum output voltage in kilovolts, and
CURRENT is maximum current limit in milliamps

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

ELECTRONICS, INC.

923 Hamilton Avenue
Menlo Park, California 94025
(415) 322-0711
Outside Calif. 800-548-6305
Telex: 296210
FAX: 415 326 1993

90032-04

SPECIFICATIONS

Output Voltage	User specified maximum—adjustable from 0 volts to full scale
Output Voltage Ramp Time	1 second to 30 seconds, user adjustable
Output Current	User specified maximum—adjustable trip point
Test Time	1 to 90 seconds, user adjustable
Shutdown	2 milliseconds
Arc Detection	Arc duration 10 microseconds or greater
Input Power Required	115/230-VAC, ±10% 44–66 Hz, 300-watts for M100, 500-watts for M500
Dimensions	16¾" x 5¼" x 13¼" (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

OPTIONS

- 01—Remote Control (Digital)
- 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
- 16—÷ 10 Front Panel Switch Current Trip Point (standard on BVS5 model)
- 18—OHMS Sense (Front Panel Recepticle is Blanked Out)
- 22—Front Panel Voltage Adjust
- 23—Digital Panel Meters
- 24—Blank Front Panel (Receptacle and Start)
- 27—"No Load" Trip Point Setting
- 28—Two-Switch Selectable Current Scales
- 29—Two-Switch Selectable Voltage Scales

OPTIONALLY IEEE 488

OTHER ROD-L PRODUCTS

- M150AC—AC Hipot Test Instruments
- M100DC—DC Hipot Test Instrument
- M120DC—DC Hipot Test Instrument Lab Model
- M25—25-Amp Ground Continuity Test Instrument
- M30—30-Amp Ground Continuity Test Instrument
- M300RT—DC Insulation Resistance Test Instrument
- M600CST—3-Wire Power Cord Test System
- M900—International Receptacle Adaptor
- M915—Remote High Voltage Adaptor
- M988C—IEEE-488 Bus Interface Adaptor