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TECHNOLOGY GROUP

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Find the *Rod-L M100BVS5-2.8-40* at our website: *Click HERE*

ROD-L
ELECTRONICS, INC.

UL Listed

DIELECTRIC WITHSTAND (HIPOT) TESTER

FAST





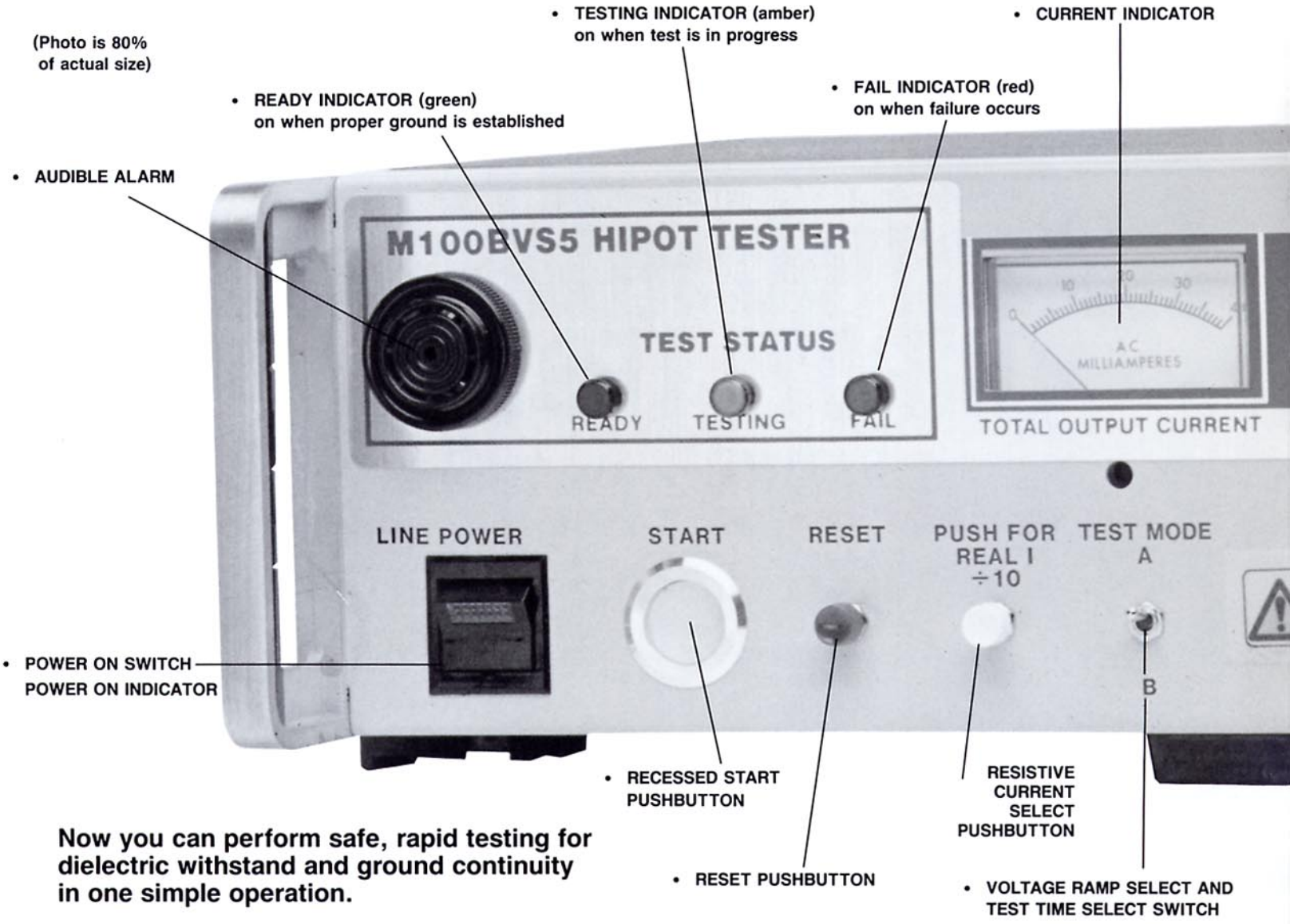
SAFE



EFFICIENT

Like no other hipot tester you've ever seen.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com



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., F.C.C. and others. The hipot test is a potentially dangerous operation, therefore 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 (Since 1977, File E58530).

Safe, Fast, 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 (DUT)
- electronic, adjustable timing circuit to provide accurate, reliable test time (1 sec to 90 seconds)
- front panel receptacle, rated to withstand 8000 VAC, for direct plug-in of DUT 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 .5Ω resistance standard (.1Ω available) at ≈ 1.5 VAC
- security chassis ground test to enhance operator safety
- completely solid state for reliability
- TTL logic allows optional computer interface
- rack mountable
- performs hipot test requirements specified by U.L., C.S.A., I.E.C., V.D.E., F.C.C., and others
- detects arcs as short as 10 microseconds duration

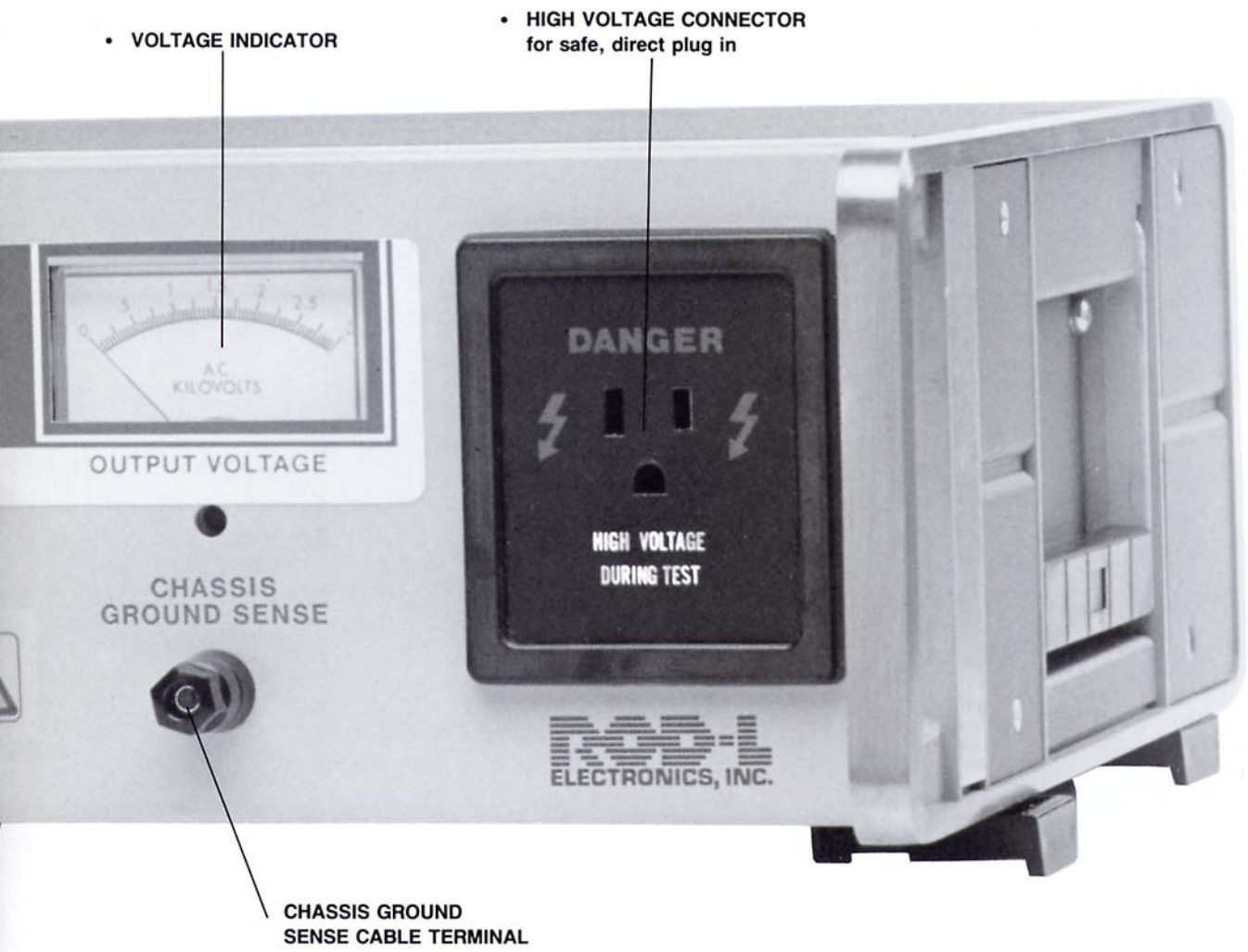
Simple operation

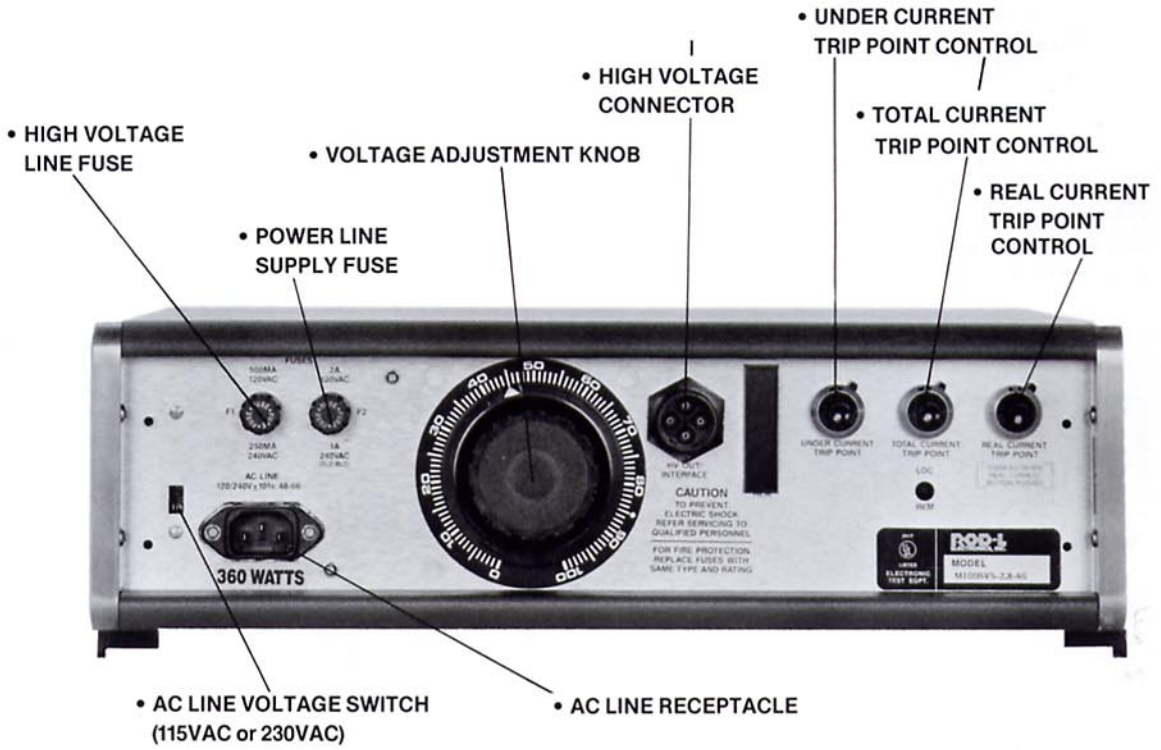
The hipot tester applies the test voltage to the DUT for a duration of time preset from 1 second to 90 seconds. The DUT simply plugs into the front panel outlet, rather than being attached with clip leads. Clip leads can be used, however, for devices without a power cord.

Test limits for leakage current are preset by the user via a rear panel control. 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.

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This is the rear view of the ROD-L Hipot Tester M100BVS5. Rear panel configuration is dependent on model.

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Voltage and Current Configurations

M100 Series

Maximum Output Voltage	Maximum Current Limit				
	10mA	25mA	40mA	50mA	70mA
1000 VAC	●	●	●	●	●
1500 VAC	●	●	●	●	
2800 VAC	●	●	●		
5000 VAC	●	●			

M500 Series

Maximum Output Voltage	Maximum Current Limit			
	100mA	200mA	350mA	500mA
1000 VAC	●	●	●	●
1500 VAC	●	●	●	
2800 VAC	●	●		
5000 VAC	●			

* Other voltages available on request

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

How to specify desired model:

Specify: MODEL - VOLTAGE - CURRENT
Example: M100AVS5 - 2.8 - 40

Where: **MODEL** is M100AVS5 or M100BVS5
or M500AVS5 or M500BVS5
VOLTAGE is maximum output voltage in kilovolts, and
CURRENT is maximum current limit in milliamperes

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

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%, 48-66 Hz, 300 watts maximum for M100, 500 watts maximum for M500
Dimensions	16.75″ x 5.25″ x 13.25″ (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/Black

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 Receptacle is blanked out)
- 22—Front Panel Voltage Adjust
- 23—Digital Panel Meters
- 24—Blank Front Panel (Receptacle and/or Start)
- 27—"No Load" Trip Point Setting
- 28—Two-Switch Selectable Current Scales
- 29—Two-Switch Selectable Voltages

OPTIONALLY IEEE 488

ROD-L ELECTRONICS, INC.

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FAX: 415-326-1993

CPS CONSUMER PRODUCT SAFETY AWARD WINNER 1980

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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