

SPECIFICATION-1

1.1 VOLTAGE & RESISTANCE RANGES

1.2 PHYSICAL DATA

1.3 OPERATING FEATURES

1.1 VOLTAGE & RESISTANCE RANGES

- 1.1.1. Input Voltage: 115 Volts, 50/60 Hz
or
230 Volts, 50/60 Hz
[Provided as specified.]

1.1.2. Output Voltage & Resistance

CHART A—MODEL HM3A

Output Voltage	Megohm Range	Useful Ranges
50	0.1 to 1,000,000 megohms	6
100	0.2 to 2,000,000 megohms	6
500	1 to 10,000,000 megohms	6
1000	2 to 20,000,000 megohms	6

CHART B—MODEL HM6B

Output Voltage	Megohm Range	Useful Ranges
50	0.1 to 1,000,000 megohms	6
250	0.5 to 5,000,000 megohms	6
500	1 to 10,000,000 megohms	6

1.2 PHYSICAL DATA

- 1.2.1. **Weight:** 15 pounds [6.8 kgs]
- 1.2.2. **Dimensional Data**
Height: 7½" [19 cm]
Width: 12¼" [31 cm]
Depth: 8½" [21.6 cm]

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1.3 OPERATING FEATURES

1.3.1. Accuracy.

2 Degrees of Arc or 3/32 in. of scale on 5 lower ranges. Highest range 3 Degrees of Arc of 1/8 in. of scale.

1.3.2. Scale.

Dual color scale for improved readability.

1.3.3. Meter.

No Meter bounce; therefore, meter averaging not required, even with large capacitive loads or any input voltage change in 20,000,000 megohm range.

VTVM circuit drives the meter on this high quality megohmmeter thereby there is "No Zero Shift" on any range.

Surge Protection is provided on all circuits.

Output voltage is double regulated with both a ferro-resonant line and a solid state electronic regulator.

1.3.4. Calibration.

Verify calibration at any time. Self contained calibration resistors permit the operator to periodically verify the calibration.

1.3.5. Protection.

Dead shorts on megohmmeter output will not damage components. Short circuit protection will handle continuous shorting without injury to any component.

1.3.6. Discharge.

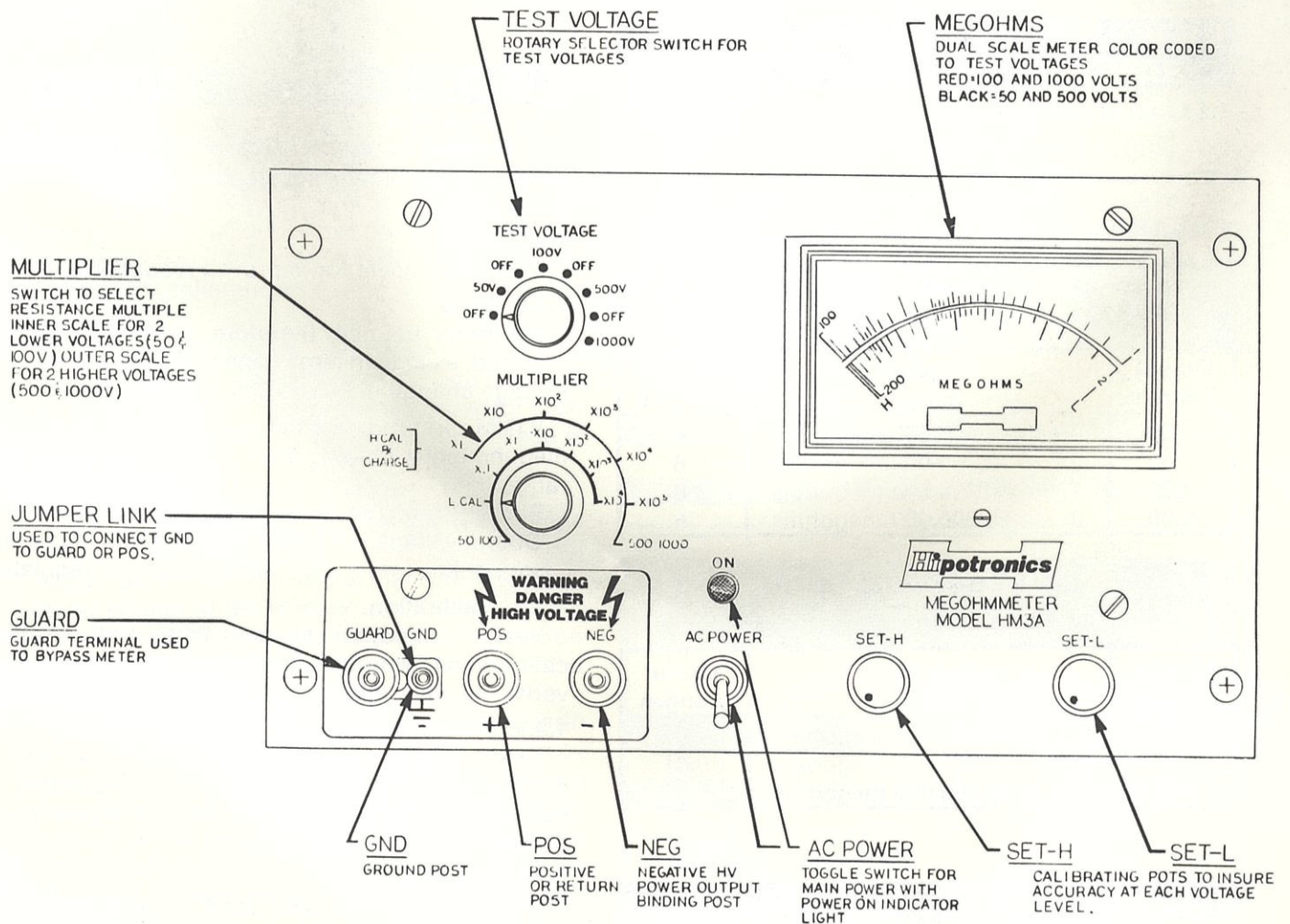
Discharge internal and load capacitance. Switch position and resistor provided for complete capacitive discharge.

1.3.7. Testing.

Grounded or Ungrounded testing with three-terminal output. [Positive, Negative and Guard]

CONTROL PANEL DETAIL—0

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NOTE: HM3A SHOWN—HM6B SIMILAR