

GROUND BOND TESTERS / laboratory testers

GFM-30ac

FAST SAFE RELIABLE



GROUND BOND TEST: 5-30A AC Adjustable Output

FEATURES

- ▶ AC Output supplies constant current to any ground circuit with a resistance of 0 to 0.1Ω.
- ▶ Adjustable current output up to 30 amps for development of grounding systems within products.
- ▶ Analog meter indicates output current and voltage.
- ▶ Built-in one-time setup compensation circuit allows lead resistance to be ignored without needing a four-wire connection.
- ▶ Nema 5-15R receptacle provided on front panel for high current output.
- ▶ 0.1Ω cal resistor provided on rear panel
- ▶ Operation instructions provided on the rear panel.
- ▶ Performs to UL, CE, IEC, CSA, TUV safety agency requirements for production line testing.
- ▶ Ergonomically designed for safety, speed and efficiency.
- ▶ Class 4 amplifier runs cool and efficiently.
- ▶ One year calibration cycle.
- ▶ Economical, durable and compact.
- ▶ RESET button stops test immediately.
- ▶ Test leads included.
- ▶ 30 day trial - 1 year warranty



The blue box that tests. And tests.

GFM-30ac



ELECTRICAL ▾

Output:	5-30 Amps AC into NEMA 5-15R receptacle for loads between 0 and 100mΩ. 6V Maximum Open-Circuit Voltage Current is developed between the Grounding Pin of the NEMA Receptacle and the RETURN jack on the front panel of the GFM-30ac.
Meter Ranges:	Amperage (Top band): 0-30A Voltage (Bottom band): 0-3V
Meter Range Selection:	Via front-panel switch.
Pass/Fail Criteria:	
Ground Bond:	100mΩ set point
Determination Method:	If selecting the voltage range causes the meter to swing higher (to the right), the ground path being tested FAILS. If selecting the voltage range causes the meter to swing lower (to the left), the ground path being tested PASSES.
Test Time:	User adjustable 0.5-30 sec.
Duty Cycle:	100%
Meter Accuracy:	±3% Full Scale



ENVIRONMENTAL ▾

Operating Temperature::	15-40°C
Relative Humidity Range:	0-90% non-condensing



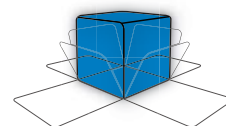
GENERAL ▾

Input Power Requirements:	114-127 volts, 50/60 Hz
Weight:	10.5 lbs.
Dimensions:	9.250 (W) x 4.250 (H) x 10.000 (L) in.



SAFETY ▾

Transformer Output:	6 V maximum
Failure Indication:	None, user judged.
Emergency Shutoff:	Output immediately disabled and test terminated when RESET button is pressed.
Operation Instructions:	0.1Ω calibration resistor provided on rear panel allows compensation for leads.



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