

# GFM-40AC

**FAST - SAFE - RELIABLE**



## **HIGH CURRENT AC GROUND CONTINUITY LABORATORY / ENGINEERING TESTER**

### **FEATURES**

- AC output supplies constant current to any ground circuit with a resistance of 0 to 0.1 ohms.
- Adjustable current up to 40 amps for development on grounding systems.
- Analog meter indicates output current and voltage.
- Virtual voltage sense circuit compensates for lead resistance.
- High efficiency design results in low power consumption. Calibration resistor mounted on rear panel.
- Performs tests to meet safety requirements for production line and type testing.
- Ergonomically designed for safety, speed and efficiency.
- Compact and durable.
- Test leads included.
- One year calibration cycle.
- 30 day trial - 1 year warranty.

**COMPLIANCE  
WEST USA**  
CALL (800) 748-6224



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# GFM-40AC



## ELECTRICAL

Output: 10 - 40 Amps AC +/- 3% into any load - short circuit to 100 milliohms  
Duty Cycle: 100%  
Current Range: 5 - 40 Amps AC  
Timer Range: 1 - 20 seconds  
Input power requirements: 108 - 127 or 216 - 254 Volts, 50/60 Hz

## ENVIRONMENTAL

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

## PHYSICAL

Dimensions: 9 .25"W x 4.75"H x 10.00" D  
Weight: 11 lbs.

## CORDSET LENGTH REQUIREMENTS

Non-Detachable Cordset Maximum length: When testing products with a detachable 12AWG cordset will allow adequate compensation and still develop 40A into an 0.1ohm load. If a non-detachable cordset is used, this table shows the maximum recommended cordset lengths for proper operation.

Non-Detachable Cordset <b>AWG</b>	Non-Detachable Cordset <b>Maximum length</b>
18AWG	6 Feet
16AWG	10 Feet
14AWG	14 Feet
12AWG	20 Feet

\*Custom configurations available for longer non-detachable cords. Please inquire.

### OPERATION:

1. Connect the EUT power plug to the NEMA 15p receptacle on the front panel of the GFM-40ac, and the supplied return lead to dead metal parts. If the EUT has a detachable power supply cord, use the 12AWG cordset supplied with the GFM-40ac.
2. Set the test duration using the control on the rear panel. Push the TEST button and set the output current with the front panel knob.
3. During the test, switch the meter to Volts and read the voltage developed across the ground path.

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