

GFL3836 Ground Fault Locator

Product Overview



The PITE GFL3836 Ground Fault Locator is an essential instrument to identify faulty grounding where electrical cables have breakage and loss to the ground. The unit identifies the inadvertent ground by injecting a low frequency signal on the faulted polarity. By following the signal using the current clamps and the portable receiver, the physical location of the ground fault can be found. Measurement of online DC systems is possible as the output current of the GFL3836 is very low but the output voltage can be up to 1000V.

Compliance with NERC PRC-002-6 requires that the battery and DC power system be inspected for inadvertent grounds every four months. If a ground fault exists the GFL3836 is the tool by which that fault can be located without the need to de-energize the live circuit.

- Patented technology, pinpoint current leakage fault with grounding resistance lower than 1MΩ
- Locate faults for both offline and online DC systems
- Waveform analysis will analyze the interference signal in the circuit
- Wide output voltage and output frequency ranges allow the GFL-1000 to meet the needs of your electronic equipment

Technical Specifications

Output Voltage:	24, 48, 110, 220, 500, 1000 VDC
Output Frequency:	10 Hz
Output Current Limitation:	5 mA or Unlimited (Max 25mA)
Fault Location Sensitivity:	≤ 1 MΩ
Current Detect Sensitivity:	AC/DC Circuit: ≥ 0.5 mA
Quick Search Clamp:	55 mm (diameter), 60 mm (jaw opening)
Current Sensor:	φ8 and φ20
Jaw Opening:	60 mm (2.36 in)
Display:	Backlit Color LCD
Operating Environment:	Temperature: -5 – 40 °C (23 – 104 °F)
Power Requirements:	8.4 VDC Li-ion Battery
Dimensions:	360 x 260 x 135 mm (14.2 x 10.2 x 5.3 in)
Weight:	7 kg (15.4 lbs)



Kit Includes

- GFL3836 Signal Generator
- Power Adapter
- Qty. (2) Signal Testing Leads
- Qty. (2) Alligator Clips
- Punctuation Clip
- Signal Receiver
- Qty. (2) Dual-Range Current Detector
- Qty. (2) Batteries
- 120/220 50/60 Hz Battery Charger
- Carrying Case