

GFL-1000 Ground Fault Locator

Model # GFL-1000



GFL-1000

Product Overview

The GFL-1000 Ground Fault Locator is an essential instrument to pinpoint faulty grounding where electrical cables have breakage and loss to the ground. The unit deals with current leakage of DC systems with high resistance. The GFL-1000 is designed on years of field experience in different DC systems to fast-detect, track, and locate virtual grounding faults. The GFL-1000 ground fault locator provides accurate solutions for troubleshooting and preventative maintenance, increasing the reliability of electrical equipment. Fast localization and elimination of grounding faults is critical for electricians and service technicians whose goal is to increase system reliability. The GFL-1000 has a compact and rugged design which makes it easy to use in small places and harsh environments. The GFL-1000 ground fault locator is widely used in the telecom, utilities, and transportation industries.

Advantages

- Patented technology, pinpoint current leakage fault with grounding resistance lower than 1MΩ
- Adjustable output frequency on Signal Receiver effectively avoids interference from DC system itself
- Ground fault location can be done with the system online
- 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
- Reflects the aging status - reducing maintenance and repair costs

Technical Specifications

Output Voltage:	24, 48, 110, 220, 500, 1000 VDC
Output Frequency:	Selectable between 1, 10, 50, 60, 325 Hz
Output Current Limitation:	5 mA no limit (max: 40 mA)
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)



Signal Receiver

Kit Includes

- GFL-1000 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
- Battery Charger
- Carrying Case

Ordering Information

No.	Model #	Description
1	GFL-1000	Ground Fault Locator, Range: 24-1000V, 1-325 Hz