

GFL-1000 Ground Fault Locator



GFL-1000 Kit

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 measures current leakage of DC systems with high resistance. The GFL-1000 is designed to fast-detect, track, and locate grounding faults for both offline and online DC systems. Measurement of online DC systems is possible because the output current of the GFL-1000 is very low but the output voltage can be up to 1000V.

The GFL-1000 provides accurate solutions for troubleshooting and preventative maintenance, increasing the reliability of electrical equipment. Fast localization and elimination of grounding faults is critical to increase system reliability. The compact and rugged design make 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
- Locate faults for both offline and online DC systems
- Adjustable output frequency on Signal Receiver effectively avoids interference from DC system itself
- 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:	Selectable between 1, 10, 50, 60, 325 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)



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