



## GFL-1000 PORTABLE GROUND FAULT LOCATOR FOR DC SYSTEMS ONLY

Used as an essential instrument to pinpoint faulty grounding where electrical cables have breakage and loss to the ground, the Eagle Eye GFL-1000 Portable Ground Fault Locator provides accurate solutions for troubleshooting and preventative maintenance. It is designed to fast-detect, track and locate grounding faults for both online and offline DC systems. With its compact and rugged design, the GFL-1000 is easy to use in small places and harsh environments working hard to increase the reliability of your electrical equipment.



### Product Advantages

- Patented technology that pinpoints current leakage faults with grounding resistance lower than  $1M\Omega$
- Analyzes the interference signal in the circuit using waveform analysis
- Wide output voltage range
- Built-in band pass filter to bypass different interference signals
- Reflects the aging status which reduces maintenance and repair costs

## APPLICATIONS

- **Railway and Transit:** Signal, communication and locomotive electric equipment
- **Power Utility:** DC system with faulty grounding
- **Industrial Facilities:** Electric safety equipment for general power distribution applications
- **Telecommunication:** Electronic equipment with faulty grounding

## GFL-1000 KIT

- GFL-1000 Generator Power Adapter
- 2 Signal Testing Leads
- 2 Alligator Clips
- Punctuation Clip
- Signal Retriever
- 2 Dual-Range Current Detectors
- 2 Batteries
- 120/220 50/60 Hz Battery Charger

## Technical Specifications

<b>Output Voltage</b>	24, 48, 110, 220, 500, 1000 VDC
<b>Output Frequency</b>	10 Hz
<b>Output Current Limitation</b>	5 mA or unlimited (Max 25 mA)
<b>Fault Location Sensitivity</b>	$\leq 1 \text{ M}\Omega$
<b>Current Detect Sensitivity</b>	AC/DC Circuit: $\geq 0.5 \text{ mA}$
<b>Quick Search Clamp</b>	55 mm (diameter), 60 mm (jaw opening)
<b>Current Sensor</b>	$\phi 8$ and $\phi 20$
<b>Jaw Opening</b>	60 mm (2.36 in)
<b>Display</b>	Backlit Color LCD
<b>Operating Environment</b>	Temperature: $-5 - 40 \text{ }^\circ\text{C}$ ( $23 - 104 \text{ }^\circ\text{F}$ )
<b>Power Requirements</b>	8.4 VDC Li-ion Battery
<b>Dimensions</b>	360 x 260 x 135 mm (14.2 x 10.2 x 5.3 in.)
<b>Weight</b>	7 kg (15.4 lbs.)

## Ordering Information

### MODEL NUMBER

GFL-1000

### DESCRIPTION

Range: 24-1000V, 10 Hz