

# DC Ground Fault Finder

This device quickly identifies ground faults in DC power systems, which can cause protection misoperation or failure. It uses high-resolution sensors to detect leakage current and insulation impedance, even in complex and dynamic systems.



## Product Overview

### Advanced DC Ground Fault Location

The PEN-JDC is a high-precision diagnostic instrument engineered for the rapid identification and location of ground faults in complex DC power systems. By utilizing high-resolution sensing technology, it eliminates the need for outdated 'pull-line' methods, ensuring system safety and operational continuity. This versatile tool handles a wide range of fault types including intermittent grounding, non-metallic faults, and AC-to-DC cross-connection issues.

## Key Features

### Operational Modes

- Non-signal injection fault location
- Directional fault indication
- Waveform curve analysis for current tracking
- AC cross-connection detection
- Real-time insulation index analysis

### Supported DC Voltages

48V, 110V, 220V

## Measurement Specifications

### Performance Metrics

**300 V**

Voltage Monitoring Range

**280 V**

AC Cross-connection Range

**600 K $\Omega$**

Max Insulation Impedance Detection

**0.01 mA**

Current Resolution

### Insulation Resistance Range

999 K $\Omega$