

GDPD-313P Hand-held Partial Discharge Detector



Picture only for reference first

General Information

The hand-held partial discharge detector is used to detect and measure the instantaneous ground voltage discharge and surface discharge in the switch cabinet and display the discharge waveform and discharge amount in real time on the LCD screen. The instrument adopts a pistol-portable design, which can be scanned and detected directly on the switchgear shell without any influence or damage to the operation of the switchgear. At the same time, the measured signals can be stored and played back on the TF card. The matching headphones can hear the discharge.

Specifications

1. Main unit

- Display: 4.3inch color TFT LCD capacitive touch screen
- Signal input channel: TEV × 1, air-coupled ultrasonic × 1
- Power interface: DC 12V
- Headphone jack: 3.5mm
- Data storage: support TF card storage and derived
- Battery: 12V, 2500mAH
- Operating time: more than 4 hours
- Weight: <1kg
- Size: Body size: 240mm×240mm×80mm
Handle size: 146mm×46.5mm×40mm

2. TEV measurement

- Sensor type: capacitive coupling
- Sensor installation method: built-in

-
- Frequency range: 10-100MHz
 - Measuring range: 0-50dB
 - Accuracy: ± 1 dB
 - Resolution: 1dB

3. Ultrasonic measurement

- Sensor type: air coupled
- Sensor specifications: built-in
- Resonance frequency: 40kHz \pm 1kHz
- Measuring range: -10dBuV-70dBuV
- Sensitivity: -68dB (at 40.0kHz, 0dB=1 Volt/ μ barrms SPL)
- Accuracy: ± 1 dB
- Resolution: 1dB

4. Power supply

- Normal working time: more than 4 hours
- Battery protection: When low voltage is measured, please charge it in time.

5. Battery charger

- Rated voltage: 100-240V
- Frequency: 50/60Hz
- Charging voltage: 12V
- Charging current: 0.5A
- Time required for full charge: about 7 hours
- Working temperature: 0-55 $^{\circ}$ C

Packing list

Main unit	1 pc
TEV sensor(built-in)	1 pc
Ultrasonic sensor(built-in)	1 pc
External flexible sensor	1 pc
Wave collector	1 pc
Coaxial cable	1 pc
Card reader	1 pc
Memory card	1 pc
Headphone	1 pc
Charger	1 pc
Power cord	1 pc
User's guide	1 copy
Factory test report	1 copy