



GDPD-3000C Portable Partial Discharge Detector



General Information

GDPD-3000C Portable Ultrasonic Partial Discharge Detector uses advanced cloud computing and automatic modeling technology to achieve the partial discharge signal measurement, recording, transmission, storage, analysis and exchange, providing powerful technical support for on-site measurement of partial discharge. The measurement personnel collect the partial discharge information by using GDPD-3000C, and the cloud computing can be used to intelligently diagnose the insulation state of detection equipment in real time.

Specification

Hardware

Processor	High performance intelligent processor.
Screen	4.3inch Touch Screen.
Operation keys	PVE film keyboard.
Interface	<ol style="list-style-type: none">1. 3.5mm stereo headphone interface2. DC LV current charging interface3. USB 2.0 3G wireless network interface4. TF memory card interface5. External probe sensor interface
TF memory card	4G-32G.
Headphones	Min. 8Ω.
External probe	Ultrasonic probe extension line 250mm.
Enclosures material	ABS+PC Plastique.
Weight	0.7kg;
Dimension	241*126*189mm

Operating Environment

Operation temperature	0~55°C.
Operation humidity	0~90% RH, non-condensing.
IP rates	54

Ultrasonic Sensor Parameters

Measuring range	-20dB μ V~65dB μ V.
Resolution	1dB.
Accuracy	\pm 1dB.
Sensitivity	-65dB.
Frequency	20KHz-100kHz.
Diameter	16mm.
Test source	25dB~35dB.

TEV Parameters

Sensor	Capacitive.
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Measuring range	0dB μ V~60dB μ V.
Resolution	1dB.
Accuracy	\pm 1dB.
Max Number of Pulses/Cycle	655.
Min number of pulses	5Hz

Power Supply

Internal battery	3.7V, 5.6Ah rechargeable Lithium-ion.
Typical operating time	Approx. 6 hours.
Battery protection	Auto shutdown time, default 10 mins.
Rated voltage of charger	90-264V AC.
Charging voltage/current	5V/2.4A.
Charging Time	Approx. 9 hours.