Partial discharge detector
PXDP-II & PXDP-II-LT

Portable, versatile, resistant and lightweight device.
Powerful software that facilitates the management of records (only available with the PXDP-II model)
Available with TEV sensor, acoustic sensor, VIS voltage indicator, parabolic sensor and capacitive sensor.
The PXDP-II can be used in accordance with IEC 60270.

amperis

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The PXDP-II is a portable device that performs the detection and measurement of partial discharges professionally in appliances or electrical components. Registers partial discharge measurements for analysis and diagnosis through software for PC (PXDP-II versión). The PXDP-II and the PXDP-II-LT can be used in several applications and complies with IEC 60270.

It is a user-friendly and robust device, with several real-time display modes. It has internal memory where the waveform, DP edge, date and time are stored. The TEV sensor detects the transient voltage rise to ground on the surface of the metal cabinet. The acoustic sensor detects ultrasonic waves produced by partial discharges inside the cabinet. The VIS voltage indicator is connected to the PXDP-II to detect DP in synchronization with the network phase.

The ULD-401 parabolic sensor on the PXDP-II unit detects and locates the corona effect on any device at high altitude. The capacitive sensor detects DP in splices of cables joints and elbows.

Applications:

- Quality control of medium and high voltage equipment.
- Quality control of the insulators during the installation or repair of the network.
- Monitoring of the deterioration of the insulation of critical components.
- VTE tests in switchgear cabinets and PD detection.
- Corona and arc detection in aerial devices.

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Technical specifications:

XPDP-II Portable Partial Discharge Recorder and Diagnostic System	
SOFTWARE INCLUDED	YES
DYNAMIC RANGE	60 dB
SAMPLING FREQUENCY	30 MHz
DATA STORAGE	Over 300 recordings
ACCURACY	± 1 dB
RESOLUCTION	1 dB
BANDWIDTH	300 kHz to 70MHz
OPERATING PHASE SIGNAL RANGE (50-60 Hz)	50 to 700mVrms
OPERATING RF SIGNAL INPUT RANGE	380 uV to 380mV
SENSIVITY	5 pC, depending on DUT capacitance
REFERENCE SIGNAL OUTPUT (REF)	3.4 V
CLOCK	Real-time internal clock
OPERATING TEMPERATURE	-20 to 50°C (-4 to 122°F)
STORAGE TEMPERATURE	-20 to 50°C (-4 to 122°F)
CHARGING TEMPERATURE	0 to 50°C (32 to 122°F)
HUMIDITY	0 a 95% non-condensing
LIQUID PROTECTION	Splash proof
DISPLAY	Backlit LCD screen
AUTONOMY	7.5 horas
BATTERIES	NiMH rechargeable
CHARGING	3 hours
DIMENSIONS	203 x 114 x 51 mm
WEIGHT	860g

XPDP-II-LT Portable Partial Discharge Diagnostic System	
SOFTWARE INCLUDED	NO (Offline model)
DYNAMIC RANGE	60dB
SAMPLING FREQUENCY	30MHz
BANDWIDTH	300kHz to 70 MHz
OPERATING PHASE SIGNAL RANGE (50-60Hz)	50 to 700mVrms
OPERATING RF SIGNAL INPUT RANGE	300uV to 380mV
SENSITIVITY	5pC, depending on DUT capacitance
REFERENCE SIGNAL OUTPUT (REF)	3.4V
CLOCK	Real-time internal clock
OPERATING TEMPERATURE	-20 to 50°C (-4 to 122°F)
STORAGE TEMPERATURE	-20 to 50°C (-4 to 122°F)
HUMIDITY	0 to 95% non-condensing
LIQUID PROTETION	Splashproof
DISPLAY	LCD
AUTONOMY	7.5 hours
BATTERIES	NiMH, rechargeable
CHARGING	3 hours
DIMENSIONS	203 x 114 x 51 mm
WEIGHT	860g

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Especificaciones técnicas:

PXDP-II-406 CONTACT ACOUSTIC PROBE	
OPERATING TEMPERATURE	-20 to 50°C
STORAGE TEMPERATURE	-20 to 50°C
DIMENSIONS	113 x 35 x 25 mm
INSTALLATION	Magnetically supported

ULD-401 AIRBORNE PARABOLIC SENSOR	
OPERATING DISTANCE	Optimizado a 15 m (49 pies)
OPERATING TEMPERATURE	-10 to 60°C
STORAGE TEMPERATURE	-20 to 50°C
DISH DIAMETER	250 mm

PXDP-II-016 TEV SENSOR	
OPERATING TEMPERATURE	-20 to 50°C
STORAGE TEMPERATURE	-40 to 85°C
DIMENSIONS	123 x 35 x 69 mm
INSTALLATION	Magnetically supported

XDP-II-017™ WIRELESS PHASE SYNCH	
OPERATING TEMPERATURE	-20 to 65°C
STORAGE TEMPERATURE	-40 to 125°C
DIMENSIONS	120 x 36 x 75 mm
POWER SUPPLY	120-240V 50-60Hz
WIRELESS FREQUENCY	869MHz or 916MHz

PXDP-II-018 HF CONVERTER	
OPERATING TEMPERATURE	0 to 65°C
STORAGE TEMPERATURE	-20 to 60°C
CHARGING TEMPERATURE	0 to 45°C
EXTENDED STORAGE TEMPERATURE (> 2 MONTHS)	<35°C
CHARGING TEMPERATURE	0 to 45°C
DIMENSIONS	123 x 35 x 69 mm
AUTONOMY	5 hours
CHARGE TIME	3 hours
AUTO SHUTDOWN	15 minutes
BATTERY TYPE	Lithium-ion Polymer
VHF UHF BANDWIDTH	100MHz to 1.2 GHz
VHF UHF INPUT MAXIMAL AMPLITUDE	250 mV RMS
HF OUTPUT MAXIMAL AMPLITUDE	100 mV RMS

PXDP-012 BI-PHASE COUPLER	
RF MAX IPUT	4V RMS
RF OPERATING INPUT WITH PXDP-II	1V RMS
MAX AND OPERATING INPUT AT 50-60Hz (SYNCHRONIZATION SIGNAL)	3.5V RMS
INPUT IMPEDANCE	760 ohms
OUTPUT IMPEDANCE	50 ohms
SIGNAL BANDWIDTH	300kHz to 70MHz
OPERATING TEMPERATURE	-20 to 85°C
STORAGE TEMPERATURE	-20 to 85°C
WEIGHT	130g

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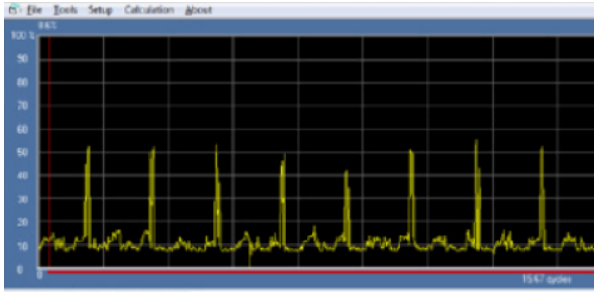
HFCT-20 HIGH FREQUENCY CLAMP	
TRANSFER RATIO	13V/A
FREQUENCY RESPONSE (-3 dB)	2 MHz to 80 MHz
INTERNAL DIAMETER	20mm
EXTERNAL DIAMETER	60mm
OUTPUT IMPEDANCE	50 ohms
WEIGHT	260g
CONNECTOR TYPE	BNC

HFCT-60 HIGH FREQUENCY CLAMP	
TRANSFER RATIO	13V/A
FREQUENCY RESPONSE (-3 dB)	4 MHz a 100 MHz
INTERNAL DIAMETER	60mm
EXTERNAL DIAMETER	125mm
OUTPUT IMPEDANCE	50 ohms
WEIGHT	530g
CONNECTOR TYPE	BNC

The software of the equipment, the PXDP-SOFT, is designed to allow the use of the files of the PXDP-II model in a PC (not included in the PXDP-II-LT version) **Features:**

- Transfer of the registered waveforms of the PXDP-II
- Facilitates the management of records
- Allows you to listen to the recorded audio to identify the PD



CLAMPS FOR PARTIAL DISCHARGES GROUNDED

CAPACITIVE SENSOR

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