PDD-2 Partial Discharge Detector

Digital Partial Discharge Detector – stand-alone with display, remotely operated via web browser or ohv Software Suite

- High resolution partial discharge detector for various applications in laboratory or tough on-site environment
- Computer-based PD signal evaluation
- Frequency range wideband according to recommendation of IEC 60270
- Dynamic auto ranging
- Voltage input for synchronisation signal
- Small and lightweight design, desktop or 19” rack unit
- Measuring data access via web browser with calibration, charge and voltage, diagrams
- Optional software suite for PC operation, advanced functionality with recording and replay
- Version PDD-2/D: alphanumeric LCD display showing measuring values in Picocoulomb
- Power supply 85…264 VAC; DC possible for PDD-2 integrated in a test system
- Hardware ready for upgrade with second measuring channel or gating and remote software for operation & analysis

PDD-2


PDD-2, rear of a DC supplied device

PDD-2/D, stand-alone device with LCD

Specification PDD-2

PD Input	
Input impedance	50 Ω
Max. input voltage	70 V_{RMS}
Min. detectable discharge	0,2 pC
Amplification	0 – 30 dB
Attenuation	0 – 66 dB
PD bandwidth	acc. IEC 60270, 100 – 500 kHz *Optional:* • Wideband, ca. 20 – 6000 kHz • Analog bandwidth: > 25 MHz

Voltage Input	
Input impedance	1 MΩ
Max. input voltage	50 V_{RMS}
Dimensions	
Weight	3100 g
Width Height Depth	450 mm 88 mm 315 mm

PDD-2 v4e

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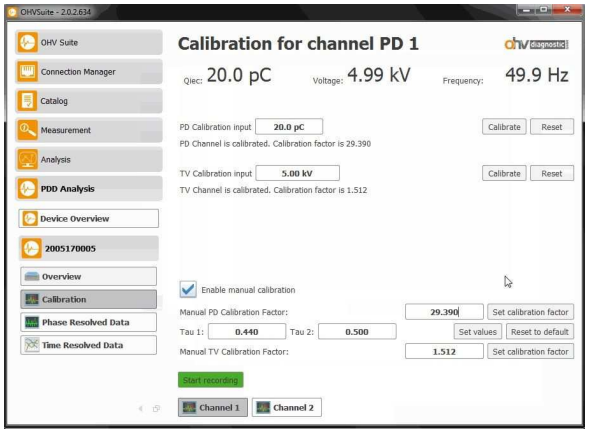
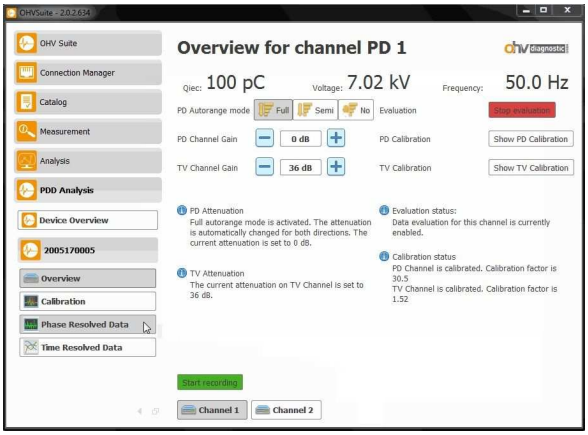


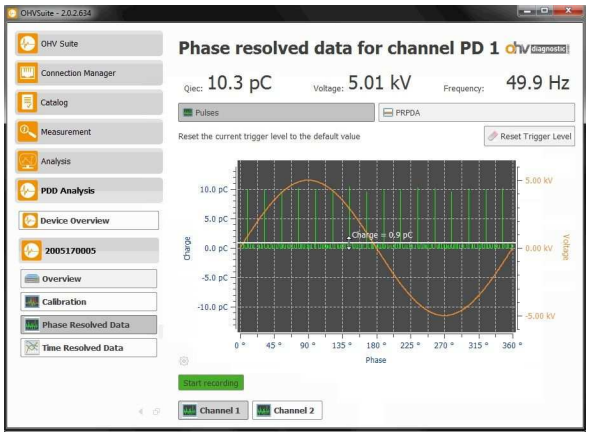
The intuitive and user friendly diagnostic suite helps to improve your measurement.

The calibration of the partial discharge measuring channel as well as voltage synchronisation channel is quite easy. The system automatically calculates the scaling factors.

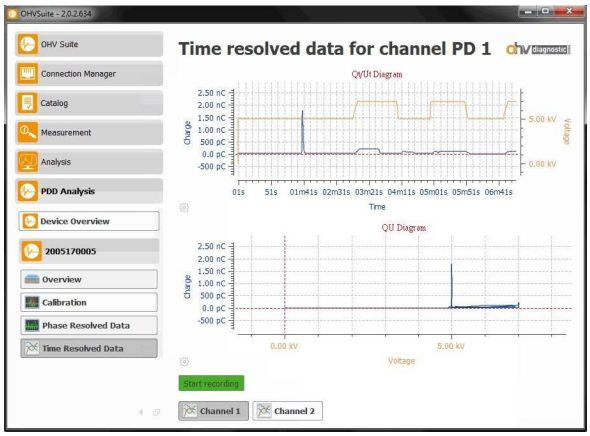


The channel overview displays all relevant measuring values at a glance:
PD magnitude and synchronisation voltage with level and frequency.

The amplification setting, mode and further information on the measuring system are given.



Phase resolved pulse and pattern diagrams help to identify the type of discharges.



Find voltages of PD inception and extinction with time resolved data analysis.

Related products

Splittingbox SB-1	PD coupler CD-24	PD calibrator C-1	Measuring impedance CD-2