OLPD-186

Portable high end On Line PD detection system
Measurement and analysis system for partial discharges

Efficient, integrated diagnostics, comprehensive results

- ✓ IEC 60270 and IEC 62478 compliant PD measurement
- ✓ Multi-channel synchronized PD measuring and recording
- ✓ PD measurement and diagnosis with automatic real-time PD localisation
- ✓ Efficient onsite hv **PDxTract®** inhouse SW algorithm, for high signal noise discrimination
- ✓ Excellent interference immunity for measurements under difficult conditions
- ✓ Fully digital data processing enables high measurement accuracy
- ✓ Safe and Easy setup, no electrical connection to the operating/controlling device
- ✓ Rugged housing and components for outdoor usage, all components are IP67, also during measurement
- ✓ Internet connectivity, remote controllable, multiple OLPD-186 can be managed from one location

onsite hv / Seitz Instruments AG member of onsite hv group
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Technical Data OLPD-186

PD Channel	3 independent channels 50 Ω Impedance 10 V_{rms}, (max) Sampling Rate 250 MS/s, 1) 14 Bit resolution 10 kHz … 100 MHz Bandwidth, 1) surge protected inputs (all)
Trigger / synchronisation	Hardware AC Mains, internal Current clamp (optional) Capacitive (optional) VLS (optional) Software: PD level Auto set
Software	Preinstalled on OLPD-185 The software has all the needed functions to control the instrument, set the acquisition parameters, acquire and visualize the PD data in order to get an immediate cable assessment. PDF Report generator
Connectivity	Wi-Fi, Ethernet, USB, Bluetooth Optional: Fiber, SIM/LTE/CatM1/NB2 RS485
Alarm functions	LED indication potential free contact, SCADA, REST API WEB, email, push message
Protection degree	IP 67 In operational setup for the complete system including HFCT
Power supply / input voltage	Singe phase AC 110 / 240 V, 50 / 60 Hz, 150 VA AC or DC power 12V
Net weight	app. 12.2 kg (including HFCT Type A)
Dimension	600 x 400 x 223 mm (W x D x H)

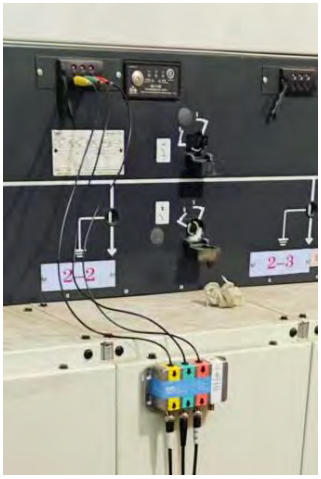
improvements to specifications are subject to change without notice
1) depends on the selected settings

Applications

- Accurate on-line PD measurement
- Monitored PD measurement for MV and HV cable commissioning
- Testing in line with IEC 60270, IEC 62478
- Routine testing and diagnostics for assessment of service-aged cables

Features

- Extra safety: no electrical connection between the operation laptop and the OLPD-185 system
- After setup no laptop required
- Phase resolved PD analysis
- Multiple PD localisation in cable insulation and accessories
- All accessories are stored in the system case. Only one case needed
- Extendable with multiple installations controlled by one centralised management point



Standard delivery includes

- OLPD-186 On Line PD detection system
  In protective case IP67 (operating)
- 3 set 2.5-meter coaxial cable (L1, L2, L3, U)
- 1 set 3 meters earth cable
- 1 set power adaptor IP68
- Only one option from the following:
  3 set HFCT split sensor inner Ø 63 mm (Type A)
  3 set HFCT split sensor inner Ø 30 mm (Type B)
  1 set OLPD-VDS coupling device

Available optional equipment

- GPC receiver for multiple measurement on one cable
- PD Calibrator CAL-165
- Sync unit for dual sided /multiple locations, measurements
- SIM/LTE/CatM1/NB2, modem for remote operation
- Power bank for no grid application
- **PDxControl®** for centralised management of multiple OLPD-186 installations
- Coupling capacitor with built-in quadrupole CPD-180

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