OLPD-186-S

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
- ✓ Robust, rubberized housing
- ✓ Internet connectivity, remote controllable, multiple OLPD-186-S can be managed from one location

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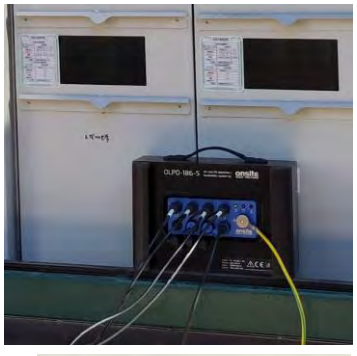
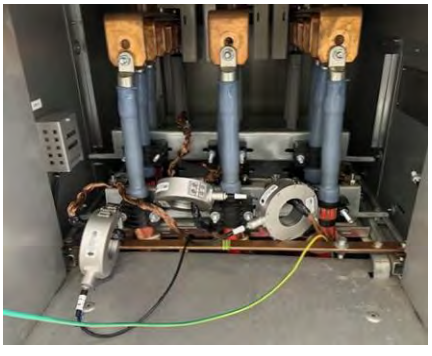
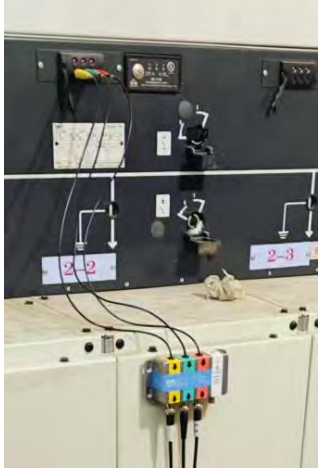
Technical Data OLPD-186-S

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-186 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 55 In operational setup Robust, rubberized housing
Power supply / input voltage	Singe phase AC 110 / 240 V, 50 / 60 Hz, 150 VA AC or DC power 12V
Net weight	app. 4.7 kg (device without accessories)
Dimension	300 x 145 x 200 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-S system
- After setup no laptop required
- Phase resolved PD analysis
- Multiple PD localisation in cable insulation and accessories
- Extendable with multiple installations controlled by one centralised management point

Standard delivery includes

- OLPD-186-S On Line PD detection system In rugged case
- 4 set 2.0-meter coaxial cable (L1, L2, L3, U)1 set 3 meters earth cable
- 1 set power adaptor IP68

Available optional equipment

- HFCT split sensor inner Ø 63 mm (Type A)
- HFCT split sensor inner Ø 30 mm (Type B)
- OLPD-VDS coupling device
- 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-S installations
- Coupling capacitor with built-in quadrupole CPD-180

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