



PRY-CAM

GRIDS



PRY-CAM GRIDS is a fixed device for the continuous (temporary and permanent) monitoring of Partial Discharge (PD) in AC (Alternate Current) electrical systems.

KEY FEATURES

- PD measurement outcome with pattern, waveform (Time Domain Analysis) and frequency spectrum (Frequency Domain Analysis)
- Online installation (temporary and permanent)
- Deployable with automatic diagnosis and automatic alarms
- Integrated with PRY-CAM Cloud platform
- Several data connectivity modes for remote communication and access
- No galvanic connection
- Used with PRY-CAM WINGS sensors
- Very low power consumption: <5 W

WHY IT IS GOOD FOR YOUR BUSINESS

- Continuous monitoring of critical assets (cables, joints, transformers, switchgear and rotating machines)
- Wired data transmission paired with fixed installation reduce direct manpower requirements for measurements
- Warnings and alarms based on AI-based analysis algorithm, not just on PD amplitude threshold
- Reliable remote diagnosis by PD experts on demand
- Easy to install for retrofitting of existing electrical systems (if access is granted)
- 100% of diagnosis detected on HV and MV
- Suitable for any power cable system from 3 kV to 600 kV



PRY-CAM

A Brand of Prysmian Group

For data-driven
power



PRY-CAM

GRIDS



PRY-CAM GRIDS TECHNICAL SPECIFICATIONS

Input

PD channels: 3x100 Ohm diff., 1.5Vpp (isolated, overvoltage protected)

Synch channels: 3x1 MOhm, 5V + 1 x line (isolated, overvoltage protected)

Sampling frequency: 200 MS/s

Bandwidth: 100 MHz

Processing: Real-time filtering, ultra-precise timestamp (5 ns)

Repetition rate

Full pulse waveform: Ethernet >10,000 pps, WiFi: >3,000-6,000 pps

Pattern only: Ethernet >50,000 pps, WiFi: >10,000 pps

Interfaces: Ethernet. Option or F.O. (3G/4G optional)

Working modes: Stand alone or instrument or continuous monitoring

Power supply: 110-230 V, 50-60 Hz AC / 12 V DC

Power consumption: < 5 W

Working temperature: From -50 °C to 90 °C



PRY-CAM

A Brand of Prysmian Group

For data-driven
power