



SYNCHRONIZATION SENSOR

- Rugged, compact design
- Safe and reliable operation
- Captures the electric field of high voltage asset near termination
- Used when acquisition system (PD Monitor) is energized with external supply which is not in synchronization with device under test
- No outage required for installation
- IP65 rated

Rugged design, designed for reliability, synchronization.

Product Summary

A synchronization signal is required during Partial Discharge measurement in power cables and other high voltage assets. SYNC-EF utilises the benefits of Electric Field to capture the field generated AC voltage in a power cable or low voltage cables. This sensor is well suited to the application where AC mains synchronised with cable under test is not available and PD Monitor is being powered by using external AC generator or UPS.

Applications

- Online periodic partial discharge monitoring
- Synchronization of PD measurements
- Multiple point PD monitoring
- Cables and their accessories
- Rotating machines
- AIS/GIS switchgear/switchboards
- Power transformers

Benefits

- No direct connection to any live conductor
- Can be used temporarily or mounted permanently
- Enhanced noise rejection
- Rugged and reliable design

TECHNICAL SPECIFICATIONS

Sensor

Technology	Electric Field
Frequency	50 Hz / 60 Hz
Material	Anodized Aluminum
Cable	10m shielded cable from Sensor to PD Monitor
Output	Up to 10m shielded cable with 8 pin connector on other end Compatible with Rugged Monitoring PD Monitors Compatible

IP Rating

IP65

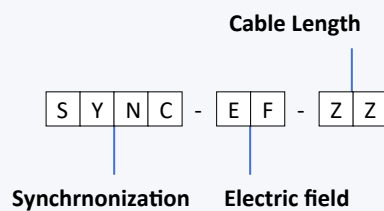
Temperature Rating

Ambient	-25C - 70C
Storage	-40C - 85C

Power Rating

Input Power	1W
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ORDERING CODE



Rugged Monitoring Services

Rugged Monitoring provides customization of sensors, monitors & software. In addition we offer on-site commissioning services, maintenance contracts and technical support to all customers worldwide.



About Rugged Monitoring

Industry leading team of fiber optic experts with 100+ years of combined experience committed to delivering customizable solutions for challenging applications. We offer a range of reliable, high performance, customizable sensors and monitoring solutions that are immune to external influence.

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