

The PD Alarm is built into a tough case that magnetically mounts to the RMU. Installation is very quick and simple with only a power connection required to get the system operational.



- Display Ultrasonic and TEV level displayed in dB
- Alarms Current 'live' alarms and historical alarms
- External TEV Measurement of electrical transients generated by internal PD
- Ultrasonic detection 3 independent ultrasonic channels detecting surface PD
- Integrated Noise Detection Algorithm helps avoid 'False Alarms'
- Simple to install No wiring required between PD detector and central hub
- Remote Data Analysis the PD Alarm's optional tablet software allows for data analysis on the move



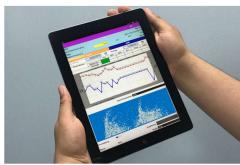
PD Monitoring

Alarms can be configured to operate either locally with SCADA or remotely using an optional integrated modem.

The system incorporates algorithms that distinguish noise from real PD, significantly reducing the likelihood of getting false alarms. The status and PD levels are displayed on a bright OLED display at the front of the unit.

The Benefits

- Avoid power outages Early warning about defects that can lead to failure
- Cost Effective Designed for larger scale roll out across distributed assets
- Failure Prevention Implement as part of a Condition Based Maintenance program



Technical Specification

PD Alarm

Data Acquisition and Analysis	
Number of Channels	4
Signal Sampling	320k Samples/sec, 10 bit
PD Analysis	Automatic
Reporting	Website or Standalone
TEV Measurements	
Sensor	Capacitive
Measurement Range	0 to 80 dBmV
Resolution	1 dB
Accuracy	±1 dB
Noise Rejection	Yes, with PRPD
Ultrasonic Measurements	
Number of Channels	3
Measurement Range	-6dBμV to + 70dBμV
Resolution	1 dB
Accuracy	±1 dB
Transducer Sensitivity	-65dB (0dB = 1volt/μbar RMS SPL)
Transducer Centre Frequency	40 kHz
Hardware	
Enclosure	Robust ABS case
Control	Membrane keypad
Connectors	Power, SCADA, 3x Ultrasonic, TEV
Display	OLED with level LEDs
Network	2/3G, WiFi, SCADA
Operating Environment	
Temperature	-20°C to 60°C
Humidity	≤90% RH non-condensing
IP Rating	IP 54 Standard
-	IP 68 Optional
Dimensions	
Size	210 x 190 x 65 mm
Weight	670 g
Power	
Rated Voltage	100 to 250 VAC
Frequency	47 to 63Hz
Internal Back-up Battery	Lithium Ion, 3.7V, 6.9Ah, 35.5Wh
Back-up Operating Time	8 hours using Default Settings
Safety and EMC	CE-compliant in accordance with Low
	Voltage Directive (2014/35/EU) and EMC Directive (2014/30/EU)
Designed and manufactured in the United Kingdom	

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The PD Alarm system contains

PD Alarm

AA Ultrasonic PD Sensors

CC-TEV Sensors

Aerial

Cable Set