

Manufactured by:



ASM-P

Medium Term PD Monitoring



ASM-P is a Partial Discharge monitor for medium term testing of cables and switchgear. Based on the highly successful ASM system for permanent installation, the ASM-P is installed into a substation for 4 weeks or more in order to build up a picture of the condition of plant assets where high PD levels may have shown during a spot test and a temporary monitoring system needs to be implemented to ensure asset health in the short term.

The Benefits

- Online PD detection- The ASM-P uses PD sensors that couple to the HV network and equipment non-intrusively and on-line such that no disconnection of the circuits is required
- Fully portable- The monitor is enclosed in a tough IP rated carry case with extendable handle. At only 14kg the monitor can be easily and quickly transported to and installed on site
- Remotely accessible- Using any of a wide range of communication protocols, the ASM-P automatically downloads to a central database from where it can be viewed on the analysis website

Web Based Analysis

iSM is a customer specific secure website is used for review and analysis of individual asset condition. This powerful tool allows users to drill down from a basic condition overview to highly detailed data including sampled PD wave shapes.

- Sensitive PD detection in high noise environments
- Local alarms plus email and SMS alarms
- Automated generation of criticality league table
- Supports HFCT, TEV and AE PD sensors
- Trend analysis and reporting

The Features

- Display – Ultrasonic and TEV level displayed in dB
- Alarms – Current 'live' alarms and historical alarms
- 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

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Technical Specification	ASP-P Medium Term PD Monitoring
Input Channels	
Number of channels	Up to 32
Spike Protection	Yes
PD Monitoring	
Sensor types	HFCT for cable PD
	CC for TEV local PD
	AA for acoustic, surface tracking
Cable PD range	50pC to 1,000,000pC
TEV range	0dBmV to 54dBmV
Acoustic	-6dbuV to 54dBuV
Test type	PRPD - PD pattern, wave shape analysis DeCIFER™
Data Acquisition and Analysis	
Signal sampling	100M Samples/sec, 14 bit
Bandwidth	30kHz - 250Mhz
PD Analysis	Automatic with DeCIFER™
Reporting	Website
Operating Environment	
Temperature	0°C to 50°C
Humidity	20 to 90% RH non-condensing
IP Rating	54 when in use, not rated when in use
Dimensions	
Size	610 x 630 x 360 mm
Weight	14 kg
Power	
Rated Voltage	100 to 250 VAC
Frequency	47 to 63Hz
Safety and EMC	CE-compliant in accordance with Low Voltage Directive
	(2014/35/EU) and EMC Directive (2004/30/EU)

Efficient Electricity Solutions

PPI Pazifik Power, Inc. (PPI) is a company with more than twenty (20) years of successful operation in the Philippines.

Over the years, PPI has developed and actively supplied an extensive and full power line of products and services from the best manufacturers in Europe. Among its most sought top-of-the-line products are: Turnkey projects in the supply of substations with rated voltage of up to 230kV, electricity meters, meter test equipment, instrument transformers, power transformers, disconnectors, fault indicators, surge arresters, switchgears, oil testers, cable diagnostics, batteries, harmonic filters, and automation systems, among others.

PPI's commitment is to establish closer customer relationship, so as to understand its customer's power solution requirements. More importantly, PPI's cutting edge is its high quality, durable and innovative power solution equipment coupled with its unparalleled delivery of reliable on-time service performance by its seasoned professional Electrical Engineers.

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