ASM-P

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

✓ Up to 32 Sensors

Up to 32 PD sensors can be installed on assets to be monitored. This can be any standard PD Sensor: HFCT, CC-TEV, Ultrasonic and UHF. In any combination.

✓ Fully portable

The monitor is enclosed in a tough IP rated carry case with extendable handle. The system weighs no more than 30kg, and is housed in a portable wheeled case, so it can be 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

✓ Complete User Control

ASM-P's DeClFer™ algorithm for PD detection, building on the long history of IPEC's PD monitors. In addition, the unit can be set-up and configured by the user, meaning no IPEC engineer needs to be support.

ASM-P (Short Term On-line PD Monitoring)

I*s designed and manufactured by IPEC Ltd* 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 temporary monitoring system needs to be implemented to ensure asset health in the short term.
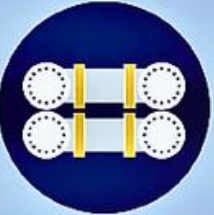
Web Based Analysis

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
• Automated generation of criticality league table
• Trend analysis and reporting
• Advanced analysis tools
• PD Location (with iPD™ accessory)

Asset Solutions

IPEC's unique range of sensors and systems are designed to monitor assets on your network, above 5kV.

Our solutions span MV, HV and EHV assets, **both indoor and outdoor types of switchgear, cables, rotating machines and network accessories.** Our sensors and products have been optimised for PD detection across network components, to ensure peace of mind for critical assets.

Cables   Switchgear   Gas-insulated Switchgear   Rotating Machines

Technical Specification

ASM-P

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 trackingVDS for MV GIS UHF for EHV GIS
Cable PD range	50pC to 1,000,000pC
TEV range	0dBmV to 60dBmV
Acoustic	-6dBuV to 54dBuV
Test type	PRPD – PD pattern, wave shapeanalysis DeCIFer™

Data Acquisition and Analysis	
Signal sampling	100M Samples/sec, 14 bit
Analogue 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

Dimensions	
Size	530 x 530 x 520 mm
Weight	30 kg

Power	
Rated Voltage	100 to 250 VAC
Frequency	47 to 63Hz

Safety and EMC	CE-compliant in accordance with LowVoltage Directive (2014/35/EU) and EMC Directive (2014/30/EU)

Designed and manufactured in the United Kingdom