



## ASM

### Permanent PD Monitoring



**ASM** is a Partial Discharge monitor for permanent testing of cables and switchgear. The latest ASM model has been upgraded offering fast data acquisition, and analysis. IPEC's PD Monitoring system technology is installed in more substations than any other online PD monitoring system.

#### The Benefits

- **Online PD detection** – The ASM uses PD sensors that couple to the HV network and equipment non-intrusively and online such that no disconnection of the circuits is required
- **Fully Customisable** – The monitor is enclosed in a 19" cabinet allowing for customisable options such as; cooling, UPS, internal power baton and integration with existing equipment
- **Remotely Accessible** – Using any of a wide range of communication protocols, the ASM automatically downloads to a central database from where it can be viewed on the analysis website from any smart device



#### 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

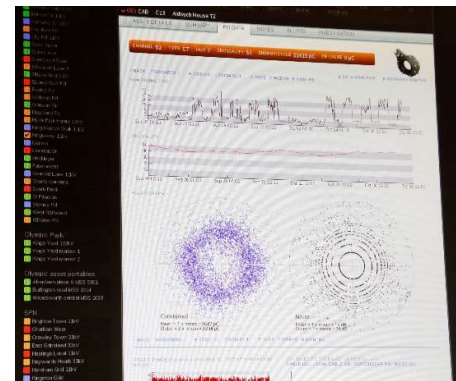


# Technical Specification

## ASM

Input Channels	
Number of channels	Up to 128
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
Analogue Bandwidth	30kHz – 250MHz
PD Analysis	Automatic
Reporting	Website
Alarms	Email, SCADA
Hardware	
Enclosure	Up to 16 Channel System - Bespoke Over 16 Channel System - 19 Inch Rack Cabinet
Local Display	Over 16 Channel System - LCD Display
Network	3/4G, Ethernet, Fibre
Local Alarm	Optional SCADA Alarm
Operating Environment	
Operating Temperature	0°C to 50°C
Humidity	20 to 90% RH non-condensing
IP Rating	IP 54 Standard IP 68 Optional
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 (2014/30/EU)
Designed and manufactured in the United Kingdom	

[www.ipec.co.uk](http://www.ipec.co.uk)



[sales@ipec.co.uk](mailto:sales@ipec.co.uk)