

## 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.

#### 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

Partial D The PD-Alarm 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.

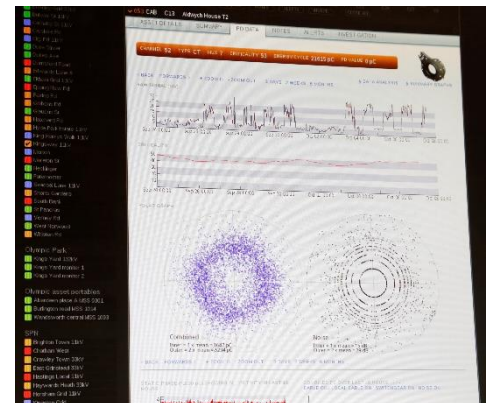
- Sensitive PD detection in high noise environments
- Local alarms plus email and SMS alarms
- Automated generation of criticality league table
- Supports HFCT, TEV and AE PD sensors
- Trend analysis and reporting



# Technical Specification

## ASM

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



### Input Channels

Number of channels	Up to 128
Spike Protection	1,000V

### PD Monitoring

Sensor types	HFCT for cable PD CC for TEV local PD AA for acoustic, surface tracking
--------------	---

Cable PD range	50pC – 1,000,000pC
----------------	--------------------

TEV range	0dBmV – 54dBmV
-----------	----------------

Acoustic	-6dBuV – 54dBuV
----------	-----------------

Test type	PRPD – PD pattern, wave shape analysis
-----------	--

### Data Acquisition and Analysis

Signal sampling	100MSamples/sec, 12 bit
Bandwidth	30kHz – 250MHz
PD Analysis	Automatic
Reporting	Website

### Operating Environment

Temperature	-10°C to 55°C
Humidity	≤90% RH non-condensing
IP Rating	55 when in use, not rated when in use

### Power

Rated Voltage	100 to 250 VAC, 512V, 1.65A
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

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