

## PD Detector Pro

### A New Generation in Handheld PD Spot Testing



#### PD Detector Pro™

PD Detector™ Pro brings new innovation, ground-breaking functionality and advanced design to deliver a new generation in handheld PD Spot Testing.

Building on IPEC's market leading technology, the PD Detector Pro brings new features to ensure the most accurate testing of your HV assets.

The PD Detector Pro is an efficient and easy to use tool to detect PD in MV and HV assets. Compatible with a wide range of sensors, the PD Detector Pro can be used on multiple assets to easily identify and quantify Partial Discharge. The large colour touch screen makes analysis clear and simple and data storage with integrated software give a clear picture of asset health over time.

The PD Detector Pro features advanced noise rejection algorithms to effectively filter out background electrical noise, displaying both PD and Noise level for the user.

#### Applications, 5kV+

- Air Insulated Switchgear (AIS)
- Gas Insulated Switchgear (GIS)
- Cables
- Outdoor switchyards (with accessory)

#### Compatible Sensors & Asset Types

##### Sensors

CC-TEV

AA

HFCT

UHF



##### Assets

AIS

GIS

Cable



#### Key Features

- **PD and Noise** - Shows both PD and noise level simultaneously
- **PD Sensors** - TEV, HFCT, Ultrasonic, UHF, VDS
- **Audio on all Sensors** – Hear the PD from any sensor
- **PD Data** - PD, PRPD, PRPS
- **Wireless Sync In-built**- Automatically locks on to exact 50/60Hz frequency from HV assets – wireless sync in-built into device
- **3.5" Widescreen Touchscreen** – Widescreen for larger PRPD and data views
- **Internal Storage** - Save PD data for analysis & reporting
- **Multi Language** – English, Arabic, Chinese, French and more
- **PD Smart Hub™** - IPEC's new centralised data management and analysis tool
- **PC or Cloud Sync** - Sync data locally to your PC with the included software, or sync remotely to the cloud for access across devices

# Technical Specification

## PD Detector

PD Measurements	
Sensors	TEV Ultrasonic (AA) HFCT UHF VDS
Hardware	
Enclosure	Injection moulded plastic case
Display and Control	High Resolution Colour Touchscreen
Connectors	USB-C: Power and Communication Coded connector: Auto Detect Sensors
Operating Environment	
Operating Temperature	-20°C to 50°C
Humidity	0 - 95% RH non-condensing
IP Rating	54
Application	
Communication	USB-C
Data Storage	Customer Cloud Server
Data Access	Web front end
Results	PD Level, Noise Level, PRPD, PRPS
Compliance	CE-compliant in accordance with EMC Directive (2014/30/EU) IEC 62478: High voltage test techniques - Measurement of partial discharges by electromagnetic and acoustic methods
Designed and manufactured in the United Kingdom	

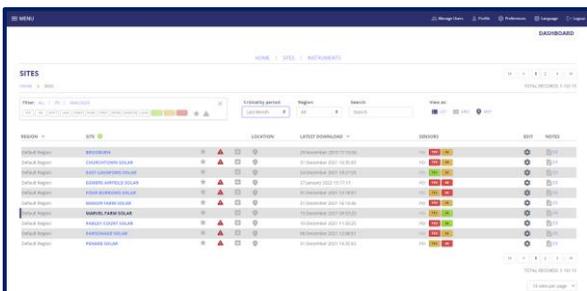
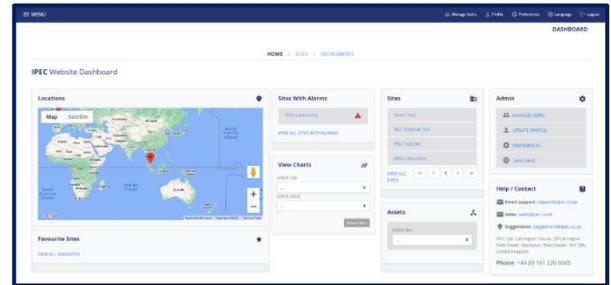
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- PD Detector Pro Kits**
- PD Detector Pro
- Headphones
- Function Tester
- Optional Accessories**
- HFCT Sensor
- UHF Sensor
- Flexible AA Probe
- Parabolic Reflector
- Kit Packages available

# PD Smart Hub Software

- Features**
- PD Data Storage and History
- Scalable PD data trends
- PRPD displays
- Alerts and Alarms
- High PD warnings
- Custom Reports



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