

PDS™

Online Partial Discharge Scanner

Want to integrate partial discharge detection in your preventive maintenance plan? The PDS™ offers a simple, intuitive and effective way to getting started in the PD detection world. Its solid construction, ultra-sensitive circuits and easy-to-read bar graph makes the PDS™ an attractive solution for cable termination & joint applications.

Highlights

- Built-In Dual Sensors
- Rugged and Weatherproof housing
- Handling rods or Hotstick Adapter
- Bar graph & Audio Cue
- Battery Operated (up to 30 hours)
- Capacitive & Inductive Technology
- Instantaneous Results



Simple, Compact & Accessible

- The PDS™ is the preferred front line tool when it comes to measure partial discharge activity on newly installed or aging cable splices or terminations
- The PDS™ is easy and safe to operate thanks to its included handling rods or optional hotstick adapter
- Field-ready weatherproof hard Delrin case construction
- 20+ years experience in partial discharge detection and analysis

Free interactive presentation:



[Click here to schedule](#)



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Technologies

Technical Specifications

Sensitivity	100 pC to 25000 pC
Dynamic range	54 dB
Sensor type	Capacitive and inductive type
Accuracy	±4 dB
Display	16 LED bar graph
Power	4x AA alkaline batteries
Autonomy	Up to 30hrs of continuous readings
Operating temperature	-25°C to 55°C (-13°F to 131°F)
Storage temperature	-25°C to 55°C (-13°F to 131°F)
Humidity	0 to 95% non-condensing
Weight	363g / 13 oz
Dimensions	35 x 230 x 48mm / 1.4 x 9.0 x 1.89 inches



Hotstick Adapter

Want to use your own approved hotstick? No problem, the PDS hotstick adapter allows for hotstick use at any angle. Its solid construction is adapted for field work.

Dual Sensors

The PDS™ comes equipped with a built-in capacitive and inductive sensor. No need for complicated configuration, the PDS™ combines both technologies for fast and easy results.



Why You Should Care About PD

Insulation faults are an important factor in degradation and reduction of the lifetime of an electrical joint. This translates into raised exploitation costs and questionable reliability, while economic performance and reliability are key criteria in the evaluation of an electricity supplier. It is important that an electric utility have a widespread, quick and efficient tool to check for quality and health of its electrical network. The market's demands on electric utilities necessarily transfer to their subcontractors, who must comply with higher quality requirements for their work. Like the electric utility for which he works, the subcontractor that has tools allowing him to monitor and to certify the quality of his job will become an attractive and reliable choice.



New Installations

Using the PDS™ on newly installed cable splices is simple as turning it on, and approaching the sensor on the insulating material. Instantaneous dB measurement will be displayed along with intensity audio cue playback.



Avoid Costly Repairs

PD can be the result of internal weak spots in power cables, such as cracks, voids or particles. It is also caused by damage to the outer semi-conductive layer of cables or to joints and terminations during installation. The PDS™ is perfect tool to detect those defects before it's too late.

