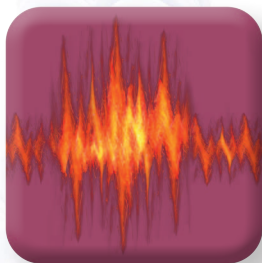


# ndb

Advanced and  
Innovative Solutions



**PDS™**

Partial Discharge Scanner

## PDS™

### Online Partial Discharge Scanner

The PDS™ allows online partial discharge detection on underground cable accessories and equipment for safety and maintenance purposes. This compact and lightweight instrument is battery operated and it has an autonomy of 30 hours. The Partial Discharge intensity level is displayed on the instrument with the bargraph.

#### ADVANTAGES

- ⚡ Easy to use
- ⚡ Compact, lightweight and battery powered for maximum flexibility
- ⚡ High sensitivity inductive and capacitive sensors
- ⚡ Rugged Delrin® made casing
- ⚡ Up to 30 hours autonomy

#### INTENSITY LEVEL

The PDS™ indicates the intensity of the partial discharges, converting the electrical charge units (pC) into decibels (dB). Thus the reading is kept as a simple intensity level indication, proportional to the probability of a fault's presence in the tested joint.

#### COMPACT AND PRACTICAL

Small to ease access to all types of installations, the PDS™ can be handheld or manipulated with a hotstick depending on the situation. Obviously, along with strippers and insulated tools, it belongs in one's toolkit, for everyday work.

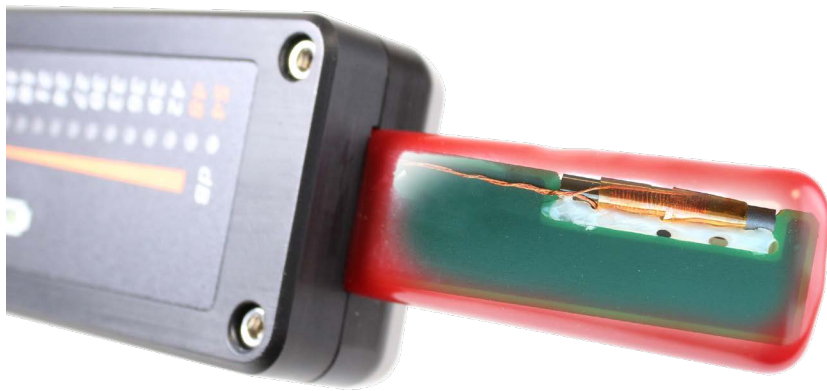
#### VISUAL AND AUDIO INDICATORS

The visual indicator is a bargraph with eight steps, each step corresponding to twice the intensity (6dB) of the previous level, for a total range from 6dB to 54dB. An audio indicator, the frequency of which is proportional to the displayed intensity, allows the user to locate any fault even if the handling conditions don't allow him/her to see the display.

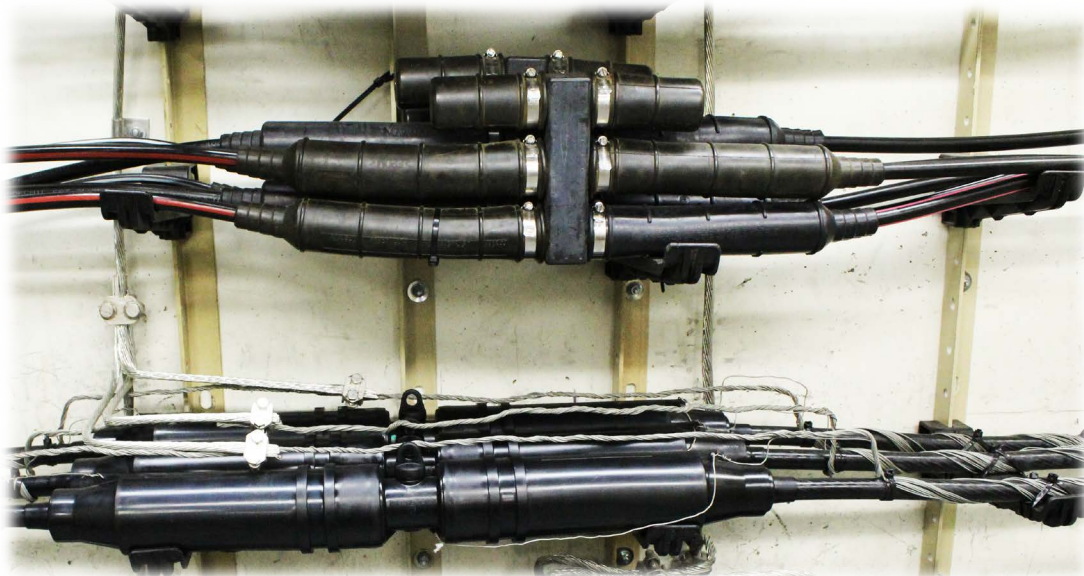


## TECHNICAL SPECIFICATIONS

<b>Sensitivity</b>	100 pC to 25000 pC
<b>Intensity range</b>	0 to 54 dB
<b>Sensor type</b>	Dual mode sensor combining capacitive and inductive
<b>Frequency</b>	High frequency detection (100 MHz and up)
<b>Indication</b>	<ul style="list-style-type: none"><li>• Audio with integrated speaker</li><li>• Visual, LED bar graph</li></ul>
<b>Autonomy</b>	Up to 30 hours
<b>Battery</b>	4x AA alkaline batteries



**PDS™ dual sensor technology**



**PDS™ the perfect tool to detect Partial Discharge on cable splices & elbows**

## INSULATION FAULT DETECTION

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.

## STANDARD ACCESSORIES:

- Insulated sticks, for 3 feet length total
- Nylon protective bag
- Universal coupler for hotsticks