



Partial Discharge Scanner

For Partial Discharge Detection in Cables

Description:

The Partial Discharge Scanner (PDS) is used to indicate partial discharge activity in medium voltage cables. It has both a capacitive and an inductive sensor in its sensing head, which is held against the cable, using an insulated operating stick if necessary. The PDS inductive sensor will detect discharge currents in earth leads in cables, while using the capacitive sensor on the surface of cable insulation. Discharge level is indicated by an array of LEDs and an audible output.



Features:

- Easy to use, the PDS can be handheld or mounted on a two-part hotstick provided with each unit.
- Insulated and waterproof capacitive probe captures steep-fronted waves which characterise partial discharges.
- Integrates both capacitive and inductive sensors, to allow partial discharge detection in virtually any cable configuration.

Operation:

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 48dB. An audio indicator with frequency proportional to the displayed intensity allows the user to locate any fault even if the display is not visible.

Specifications:

- Dual mode sensor, combining capacitive and inductive principles
- High frequency detection (100 MHz and more)
- Intensity: from 100 to 25 000 pC
- Audio and LED indication corresponding to the level displayed
- Small probe for precise pinpointing of partial discharges, and easy access in confined installations
- Sensor insulated by abrasion-resistant Plastisol sleeve
- Batteries: 4 AA size Alkaline batteries
- Battery Endurance: 30 hours of use
- Solid and waterproof enclosure

Code: PDS-SCANNER
