

APD-LT Partial Discharge Detector

APD-LT



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Partial Discharge Detector with Wireless
reading for overhead applications

amperis

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The PD-Lite allows online partial discharge detection on cable accessories such as cable head, lightning arrestors, insulators, bushings, for safety and maintenance purposes. The partial discharge level is displayed on the remote display. Insulation faults are an important factor in degradation and reduction of the lifetime of a medium voltage component. 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.



REMOTE DISPLAY:

The remote display gives a dB value of the probe's measurement. The dB value will vary along with the discharges indicators on the PD-Lite probe. The measurement range is from 0 to 65dB and the display will show "OL" if the reading is over 65d.

Advantages:

- Easy and safe to use with a hotstick.
- Compact, lightweight and battery powered for maximum flexibility.
- High sensitivity capacitive sensors with wireless measurement readings.
- Increases safety.

INTENSITY LEVEL:

The PD-Lite indicates the intensity of the partial discharges, thus the reading is kept as a simple intensity level indication, proportional to the probability of a fault's presence in the tested medium voltage accessory.

Applications:

- PD detection in cable heads.
- PD detection in line arrestors.
- PD detection in insulators.
- PD detection in bushings.



PROBE MODULE TECHNICAL SPECIFICATIONS

Power supply	9V alkaline battery (PP3 Type)
Autonomy	10 hours with continuous measurement
Auto shut-OFF	15 min
Dynamic range	Compatible with hotstick universal end fitting
Weight	0.2 kg (0.4lbs)
Operating temperature	-20°C a 55°C (-8°F a 131°F)
Storage temperature	-40°C a 75°C (-40°F a 167°F)

REMOTE DISPLAY TECHNICAL SPECIFICATIONS

Display	3 digits
Power Supply	9V alkaline battery (PP3 Type)
Weight	0.2kg (0.4 lbs)
Operating temperature	-20°C a 55°C (-8°F a 131°F)
Storage temperature	-40°C a 75°C (-40°F a 167°F)

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