

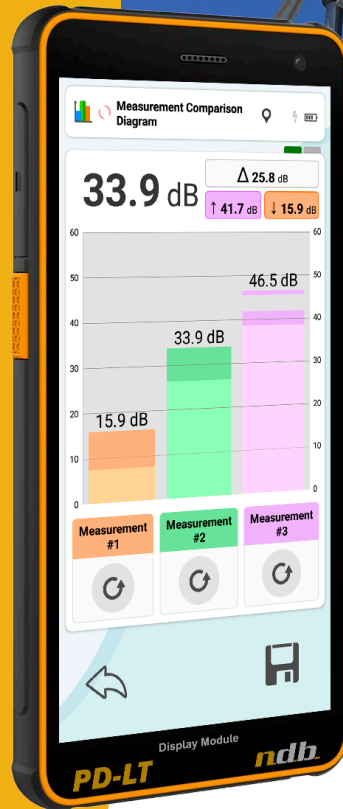
# PD-LT™

## Overhead Partial Discharge Detector

The PD-LT™ allows for online partial discharge detection on cable accessories such as cable heads, lightning arrestors, insulators, bushings, etc. Instantaneous partial discharge readings are transmitted to a rugged wireless display module for easy analysis.

## Highlights

- Intuitive graphical interface
- Observation & comparison modes
- Data storage & export
- Annotations: Picture, video, audio, text, tags & GPS coordinates
- PD audio cue playback
- Safe capacitive sensor
- Evolutive platform
- Long range wireless communication
- Rugged & splash proof design



## PD Surveys

## Made Simple

- PD-LT™ is a high-quality, well-thought out partial discharge detector that offer ease of use and portability
- Survey thousands of apparatus and add picture, video, audio, text, tags and GPS coordinates
- With its high refresh rate & fast communication, PD-LT™ offers high performance in a small package



### Free interactive presentation:



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**ndb**  
Technologies

# Technical Specifications

## General

Environment: Indoor, outdoor, underground, substation, etc.

## Measurement Module

Self-test: Complete analog Front end self-test at boot

Absolute maximum input signal: 16 dBm, 3dBV (1.4 VAC)

Dynamic range (dB): 60 dB

Accuracy: ± 2dB (Direct contact injection)

Bandwidth: 30 MHz to 47 MHz (direct contact injection)

Bluetooth Low Energy (BLE): BLE 4.1, 30 m (100 ft) range, typical

USB: 2.0, micro-B, for firmware upgrade

Auto-Shutoff: Yes, 15 min default, configurable

Batteries: 1x 9V alkaline

Autonomy - Continuous Use: 10 hours (continuous)

Operating Temperature: -20 to +55°C (-4 to 131°F),

Humidity: 0 to 95%RH non-condensing

Storage Temperature: -40 to +55°C (-40 to 131°F)

IP rating: IP66

Weight: 0.43 kg (0.95 lbs)

Dimensions: 192.5 x 120.7 x 47.4 mm (7.5 x 4.75 x 1.87 inches)

CE directive: Compliant

## Display Module

Languages: English, French, Chinese, German, Indonesian, Korean, Polish, Russian, Spanish, Thai, Turkish & Vietnamese

Battery: Non-removable Lithium Ion 4200mAh

Regional Models: Canada/USA/LATAM/EMEA/APAC/ANZ

Bluetooth: 4.0, Bluetooth Low Energy (BLE)

Color Display: Super bright 5.5", IPS, sunlight readable, 720x1440

Touch: Capacitive, works with gloves

Charging Temperature: 0 to 45°C (32 to 113°F)

Operating Temperature: -10 to 50°C (14 to 122°F)

IP Rating: IP68, 1.2m (4ft) for 30 minutes

Weight: 196 g (0.43 lbs)

Dimensions: 165 x 82.5 x 12.5 mm (6.5 x 3.2 x 0.5 inches)

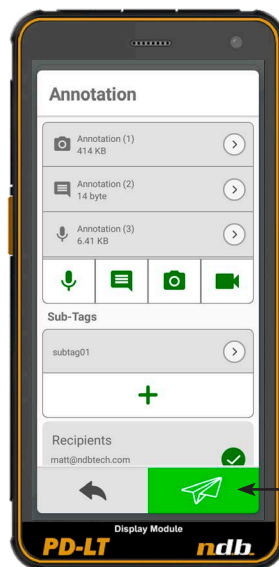
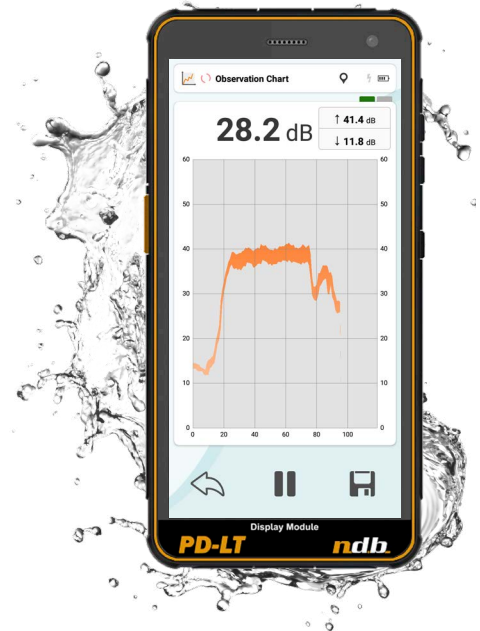
Vibration Resistance: Compliant to MIL-STD-810G

Drop Resistance: Compliant to MIL-STD-810G

Shock Resistance: Compliant to MIL-STD-810G

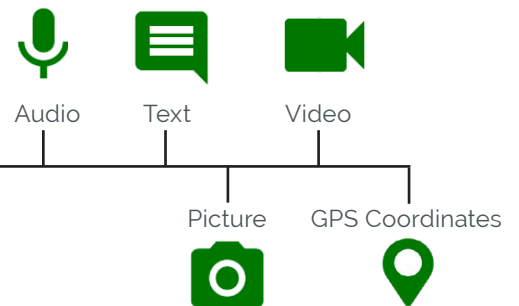
## Display

- ▶ Durable & waterproof
- ▶ Works with gloves
- ▶ Observation & comparison modes
- ▶ Save & export results
- ▶ Multimedia Annotations
- ▶ Flexible communication (Wi-Fi, hotspot)
- ▶ Long lasting batteries



## Array of Annotations

PD-LT™ unique software takes full advantage of today's modern technologies and allows to attach multimedia annotations to a measurement (Pictures, Videos, Audio & Text), all at your finger tips.



## Compact & Lightweight

PD-LT™ field kit is equipped to perform partial discharge detection right out of the box. Its high-quality semi-rigid case is compact, lightweight, and has storage available to keep your accessories secured in one place.

## Standard 9V Battery

The PD-LT™ measurement module is powered by an easy-to-find standard 9V battery that lasts for days.



## Export Measurement

PD-LT™ allows to export saved measurement along with its annotations via email. Simply configure a Wi-Fi/hotspot connection, select the recipient's email address, and voilà! Your measurements will be available via a link sent by email, it's that simple. No need for complicated software, registration or account creation. All data will be available in a standard easy-to-consult MS Excel spreadsheet.

## Universal End Fitting

Universal end fitting allows manipulating the PD-LT™ measurement module with any standard hot-stick.



## Adjustable Sensor

The measurement's module capacitive sensor is adjustable in any orientation for better adaptability to the device under test.

