

# LASER DISTANCE SENSOR

## Overview

NETOP Laser Distance sensor is a long range wireless sensor which can be used in a variety of applications for measuring distances between the sensor and objects in its path. It can measure absolute distances up to 2m. This sensor is fully compatible with LPWAN technology by using NB-IoT(Narrowband-IoT). The standard version of this sensor is powered by one replaceable 3.6 V AA sized battery (included with purchase).

## Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Excellent Extended Range in Buildings and Underground
- Easy deployment utilizing cellular system
- Micro SIM(default) or Chip SIM Card(depend on request)
- Ultra Low Power Consumption
- Certifications: CE, RoHS



## Communication Specs

- The sensor uses LPWAN technology; Narrow Band IoT (NB-IoT) for connectivity
- Supported bands including B1/ B2/ B3/ B4/ B5/ B8/ B12/ B13/ B18/ B19/ B20/ B26/ B28
- Internet Protocol Feature: Support IPv4/TCP/UDP
- Full duplex communication
- Extended Coverage: 10-15km with 164 dB maximum coupling loss (MCL)
- Antenna Types: Internal(default) or External(depend on request) Antenna

## Mechanics

- Housing: ABS
- Dimensions: 65 x 55 x 27 mm
- Operating temperature: -40°C to +85°C

## Data Security

- AES-128

## Power Supply

- AA Battery 3.6 V Li-SOCI2-Saft LS 14500 (Standard 1 piece)

## Indicators

- RGB Status LED (on board)

## Sensor Specifications

Measurement Range	:	Up to 2 m
Infrared emitter	:	940 nm
Data Transmission Period	:	Every hour(default)

## Certifications & Reliability

- CE
- EN 62479
- EN60950
  
- EN 301 489-1
- EN 301 489-17
- EN 300 328

## Applications

- Distance measurement applications
- Obstacle detection