

# WATER TANK LEVEL SENSOR

## Overview

NETOP Water Tank Level Threshold Sensor is a long range wireless sensor which can be used for detecting that Water Tank level is below or above from specific point. You can put the sensor into a water tank (let's say 5 meters higher from a base) and monitor whether the water level is up or down from the level which sensor states onto. So it can give information whether there is any water into the tank on this level or not. 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-SOCl2-Soft LS 14500 (Standard 1 piece)

## Indicators

- RGB Status LED (on board)

## Sensor Specifications

Output : 1 or 0  
Data Transmission Period : Every water level changes

## Certifications & Reliability

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

## Applications

- Water tank level applications