

# WASTE BIN SENSOR

## Overview

NETOP Waste Bin sensor is a long range wireless sensor which can be used for monitoring waste container’s fill level of waste bin/container by using highly optimized ultrasonic sensor. It enables an optimization in the route planning for waste collection and provides improved container management. This sensor is compatible with Bluetooth5.0 technology. The standard version of this sensor is powered by three replaceable 3.6 V AA sized battery (included with purchase).

## Key Features

- Real plug & play
- Easy to mount & install
- Maintenance free – install & forget
- Secure communication
- Low Power Consumption
- Longer Range
- Certifications: CE



## Communication Specs

- The sensor uses Bluetooth5.0 technology
- Compliant with unlicensed 2.4 GHz ISM band
- Internal Antenna
- Radio Performance : Upto +4 dBm TX power and -96 dBm RX sensitivity
- No PC required for operation

## Mechanics

- Housing: ABS
- Dimensions: 90 x 55 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 3 pieces battery)

## Indicators

- RGB Status LED (on board)

## Sensor Specifications

Detection range	:	15-300 cm
Accuracy	:	± 1 cm
Data Transmission Period	:	Every hour(default)

## Certifications & Reliability

- CE
- Bluetooth® SIG certified
- EN 62479
- EN60950
- EN 301 489-1
- EN 301 489-17
- EN 300 328

## Applications

- Waste Bin level monitoring applications