TECHNICAL DETAILS

ENEVO WASTE SENSOR FOR SOLID MATERIALS IN **LARGER BINS**

OVERVIEW

The WE-009TW container level sensor has been designed and built to accurately measure waste container fill levels in **harsh environmental conditions.** It uses **robust ultrasonic sonar technology** together with **temperature and motion sensor** and **smart software** to not only measure the fill level, but also automatically detect important events, such as container collections, deliveries, fire and vandalism. **Advanced algorithms** are applied to determine the fill level even if the surface of the contents is unevenly shaped, which is often the case. Measurements are performed at configurable intervals, usually once per hour. Measurements are automatically communicated to the Enevo server using 4G low power cellular networks (LTE Cat-M1).

FEATURES

- Continuously monitors fill level
- Automatically detects collections and deliveries
- Easily retrofitted or pre-installed to almost any larger model waste container (e.g. textile banks, semi- and fully underground bins)
- Minimal maintenance
- Enhanced fixing structure designed for durability
- Totally independent with internal power supply lasting for 10+ years*
- Wireless communications and alarming
- Easy remote configuration and software updates

* Estimated battery life time using recommended settings in optimal circumstances. Actual battery life may vary depending on how frequently the sensor communicates with the network and various measurement circumstances such as configuration, wireless signal strength and temperature.

WE-009TW SENSOR

Dimensions and Weight

Dimensions: 71 mm (H) x 95 mm (W)

Weight: 1.1 lbs (~500g)

Measurement

Range: 160 inches (~400 cm)

Accuracy: Typically ± 1 inch (2.54 cm)

Environmental

Ratings: IP 69, IK 10

Temp. range: -40 to +185 °F (-40 to +85°C)

Power

Type: 3.6V Lithium battery

Battery life: 10+ years *

Wireless Connectivity

LTE Cat-M1 (4G), GSM-fallback (2G):
700 / 1700 / 1900 MHz

Physical Characteristics

Body: Proprietary Polyurethane resin

Brass inserts for 3 x 1/4" (M6) fasteners

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