

# TECHNICAL DETAILS

## ENEVO WASTE SENSOR FOR SOLID MATERIALS IN DUMPSTERS

### OVERVIEW

The WE-009W 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 sensors** 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 servers 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. FEL & REL dumpsters, skips and other industrial size containers)
- 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-009W SENSOR

<b>Dimensions and Weight</b>	<b>Measurement</b>
Dimensions: 91 mm (H) x 93 mm (W) Weight: 1.4 lbs (~635g)	Range: 160 inches (~400 cm) Accuracy: Typically $\pm 1$ inch (2.54 cm)
<b>Environmental</b>	<b>Power</b>
Ratings: IP 69, IK 10 Temp. range: -40 to +185 °F (-40 to +85°C)	Type: 3.6V Lithium battery Battery life: 10+ years *
<b>Wireless Connectivity</b>	<b>Physical Characteristics</b>
LTE Cat-M1 (4G), GSM-fallback (2G): 700 / 1700 / 1900 MHz GPS (in outdoor environments)	Body: Proprietary Polyurethane resin Brass inserts for 2 x 1/4" (M6) fasteners

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The information provided in this brochure contains merely general descriptions of characteristics of performance which in case of actual use do not always apply as described or which may change as a result of further development of the products. An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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