

TECHSPECS

ENEVO WASTE SENSOR FOR SOLID MATERIALS IN CITY WASTE BINS

OVERVIEW

The WE-010 bin fill level sensor has been designed and built to accurately measure waste container fill levels in **harsh environmental conditions**. It uses **multi-laser 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 US based Enevo servers using AT&T 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 smaller model waste container (e.g. city litter bins, textile banks, wheelie 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-010 SENSOR

Dimensions and Weight	Measurement
100.5 mm (L) x 60 mm (W) x 37 mm (H) Weight: 0.45 lbs (~200g)	Range: 160 inches (~400 cm) Accuracy: Typically ± 0.4 inches (1 cm)
Environmental	Power
Ratings: IP 69, IK 10 Temp. range: -40 to +185 °F (-40 to +85°C)	Type: 3.6V Lithium battery Battery life: 10+ years *
Wireless Connectivity	Physical Characteristics
LTE Cat-M1 (4G): 700 / 1700 / 1900 / 2100 MH Location tracking: GNSS	Body: Polycarbonate with brass inserts for 3 x 1/4" (M6) fasteners

info@enevo.com
+1 (844) 363 8687
www.enevo.com

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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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