

TECH SPECS

ENEVO SENSOR FOR SOLID MATERIALS

OVERVIEW

The WE-009T container level sensor has been designed and built to accurately measure 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 server using 4G low power networks (LTE Cat-M1).

FEATURES

- Continuously monitors fill level
- Automatically detects collections and deliveries
- Easily retrofitted or pre-installed to a container
- Minimal maintenance
- Wireless communications and alarming
- Enhanced fixing structure designed for durability in extreme environments
- Totally independent with internal power supply lasting for 10+ years*
- Remote configuration and software updates



WE-009T SENSOR

Dimensions and Weight	Measurement
Dimensions: 71 mm (H) x 95 mm (W) Weight: 520 g	Range: 25 - 400 cm Accuracy: Typically ± 5 cm
Environmental	Power
Ratings: IP 69, IK 10 Operational temperature: -40 °C to +80 °C	Type: 3.6V Lithium Battery Battery life: 10+ years*
Wireless Connectivity	Physical Characteristics
LTE Cat-M1: 700 / 1700 / 1900 MHz	Body: Proprietary Polyurethane Inserts: 3 x M6

* 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.

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