

The Enevo **WE-008 sensor** is a wireless container fill-level monitoring device and a core component of the **Enevo ONE** collection optimization service. It uses state of the art measurement and communication technologies to provide continuous monitoring of any type of container and any type of content.

SENSING

The WE-008 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, 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.

COMMUNICATIONS

Measurements are automatically communicated to the Enevo ONE server using standard cellular networks (3G). Users can check the live status of their containers at any time through the **Enevo ONE web interface**. Alarms can be set, via the web based system, to inform the user of detected events.

INSTALLATION

The sensor is designed to be easily and securely installed using security bolts and proprietary Enevo installation tools to the majority of waste containers and bins.

FEATURES

- Continuously monitors fill level and automatically detects container collections, container movements and even fire
- Can easily be retrofitted or pre-installed into any type of container
- Can measure any type of collection stream, solid or liquid
- Enhanced fixing structure designed for durability in extreme environments
- Easy installation
- Zero maintenance
- Totally independent with internal power supply lasting for 10+ years*
- Wireless communications and alarming
- Wireless configuration and remote software updates
- Data access from anywhere via the Internet through the Enevo ONE web interface
- Submersible robust IP-66



TECH SPECS WE-008 SENSOR

Dimensions and Weight	Parameter Measurements
Dimensions: 58/61mm (H) x 95mm (W) Weight: 450 g	Range: 25 – 400 cm Accuracy: Typically ± 5 cm
Environmental	Power
IP Rating: IP 66 Operational temperature: -40 – +85 °C	Type: 3.6V High Performance Lithium Battery Battery life: 10+ years *
Wireless Connectivity	Physical Characteristics
GSM Penta-Band: 850 / 900 / 1800 / 1900 / 2100 MHz	Body: High Grade Proprietary Polyurethane Inserts: 3 x M6

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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.

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