

# TECHNICAL DETAILS

## ENEVO WASTE SENSOR FOR LIQUID MATERIALS IN TANKS

### OVERVIEW

The WE-009TL tank level sensor has been designed and built to accurately measure tank 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. Measurements are performed at configurable intervals, usually once per hour. Measurements are automatically communicated to the Enevo cloud using low power 4G cellular networks (LTE Cat-M1).

### FEATURES

- Continuously monitors fill level of liquid material
- Automatically detects collections and deliveries
- Easily retrofitted or pre-installed to almost any tank type container
- 1.5" NPT secure fitting adapters available for easy locking and preventing material theft
- Minimal maintenance
- Wireless communications and alarming
- Totally independent with internal power supply lasting up to 10+ years
- Easy remote configuration and software updates



### WE-009TL SENSOR

<b>Dimensions and Weight</b>	<b>Measurement</b>
Dimensions: 210 mm (H) x 110 mm (W) Weight: 0.9 lbs (~420g)	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) running on AT&T network	Proprietary polyurethane resin and glass fiber reinforced polypropylene

\* 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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