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. 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 cellular networks (LTE Cat-M1).

FEATURES
- Continuously monitors fill level
- Automatically detects collections and deliveries
- Easily retrofitted or pre-installed to almost any tank with a bung fitting
- 1.5" and 2.5" bung fitting adapters available
- Minimal maintenance
- Wireless communications and alarming
- Enhanced fixing structure designed for durability
  Totally independent with internal power supply lasting for 10+ years*
- Easy remote configuration and software updates

WE-009TL SENSOR

Dimensions and Weight
Dimensions: 210 mm (H) x 110 mm (W)
Weight: 0.9 lbs (~420g)

Measurement
Range: 160 inches (~400 cm)
Accuracy: Typically ± 1 inch (2.54 cm)

Environmental
Ratings: IP 69, IK 10
Temp. range: -40 to +185 °F (-40 to +85°C)

Power
Type: 3.6V Lithium battery
Battery life: 10+ years *

Wireless Connectivity
LTE Cat-M1 (4G), GSM-fallback (2G):
700 / 1700 / 1900 MHz

Physical Characteristics
Body: Proprietary polyurethane resin and glass fiber re-inforced polycarbonate
1.5” and 2.5” NPT fitting

* 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.