

HEYWASTE RADAR

SMART REMOTE SENSOR

Heywaste Radar is a smart remote sensor designed for the toughest environments: glass containers, household waste, etc. Its anti-dirt radar technology and robustness guarantee consistent measurements and reliable information. Adapted to all containers, and requiring almost no maintenance, it provides accurate monitoring of fill levels, prevents overflows, and optimizes collection routes. Connected to Heywaste Web platform, it transforms waste management into intelligent, sustainable, and fully controlled operations.



BENEFITS



A TURNKEY SOLUTION

- ♦ A user-friendly monitoring interface
- ♦ Quick and easy installation
- ♦ System implementation by our technical teams
- ♦ Fleet monitoring by our support service
- ♦ Integration of collected data by our IT department



OPTIMIZE YOUR COLLECTION

- ♦ Forecasting fill levels for better planning
- ♦ Elimination of overflows thanks to real-time alerts
- ♦ Emptying only full containers, avoiding unnecessary collections
- ♦ Reduction in distances traveled by trucks
- ♦ Reduction in carbon emissions



A MORE SUSTAINABLE COLLECTION

- 50%** savings on collection costs
- 85%** it is the average fill level
- 40%** collection time

- 20%** miles traveled
- +60%** equipment lifespan
- 50%** complaints related to excesses

FEATURES

UNIQUE TECHNOLOGY

Heywaste Radar relies on radar measurement that eliminates the blind zone, which is limiting in most existing systems. It allows precise and real measurement across the entire usable container height, avoiding extrapolation in the most critical overflow threshold zone.

PREVENTION OF OVERFLOWS

- ◆ The probe monitors fill levels and adapts data transmission
- ◆ Access to fill level data
- ◆ Alerts to react in time

LOW POWER RADIO PROTOCOL

LTE-M/NB-IoT and Lora radio contribute to the lifespan of our sensors.

TRACEABLE AND LOCALIZABLE SYSTEM

- ◆ Accurate knowledge of each container movement
- ◆ Allows you to locate your containers, especially after maintenance or cleaning

ENHANCED SECURITY AND TRACEABILITY

- ◆ High-performance GPS geolocation system to track containers
- ◆ Suspicious movement detection with automatic GPS requests
- ◆ Requests container's exact location when needed
- ◆ Field reality and system GPS data are always synchronized

LOCAL AND REMOTE CONFIGURATION WITH HEYWASTE WEB

- ◆ Remote configuration of daily data transmissions
- ◆ Remote configuration of measurement frequency
- ◆ Remote update of GPS transmission frequency
- ◆ Smartphone configuration via Bluetooth, LTE-M/NB-IoT, Lora



TECHNICAL DATA

Measurement distance: 8 cm to 3 m

Radio communication: LTE-M/NB-IoT or Lora

Local communication: NFC or Bluetooth

Geolocation: GPS in LTE-M/NB-IoT, optional in Lora

Motion detector: accelerometer

Lifetime: 5 years in LTE-M, 7 years in NB-IoT, 10 years in Lora

Temperature, battery voltage statistics,

GPS coordinates, replaceable batteries

Operating temperature: -25 °C / +75 °C

Shock resistance: IK08

Dimensions (L x W x H): 109 x 53 x 33 mm

Weight: 160 g

