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HEYWASTE LASER

SMART REMOTE SENSOR

This advanced laser sensor, with its cutting-edge 3D measurement technology, redefines container evaluation, including for cartons and packaging. This innovative, reliable, and precise solution captures every angle and shape, offering outstanding accuracy that surpasses conventional ultrasonic technologies. Adapted to all containers, it accurately measures filling levels, avoiding overflows and improving collections. Connected to Heywaste Web platform for effective monitoring, it makes waste management smarter and greener.

AVAILABLE IN

GPS NFC LTE-M NB-IoT OR LoRa

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 filling 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%** average fill level
- **-40%** collection time
- **-20%** miles traveled
- **+60%** equipment lifespan
- **-50%** complaints related to excesses

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FEATURES

UNIQUE TECHNOLOGY

Heywaste Laser relies on a laser 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 sensor monitors filling levels and adapts data transmission
- Access to filling level data
- Alerts to react in time

LOW POWER RADIO PROTOCOL

LTE-M/NB-IoT and Lora radio contribute to the sensor's lifespan

TRACEABLE AND LOCALIZABLE SYSTEM

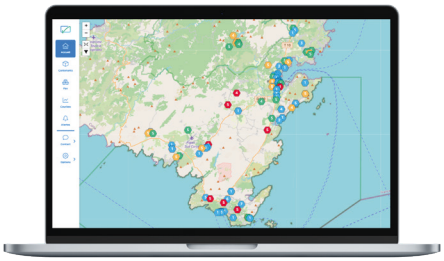
- Accurate knowledge of each container movement
- Allows you to locate your containers, especially after maintenance or cleaning

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

Empty height measurement: multipoint infrared
Measurement distance: 0 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: -20 °C / +60 °C
Shock resistance: IK08
Protection rating: IP67, IP69K
Dimensions (L x W x H): 109 x 53 x 33 mm
Weight: 170 g