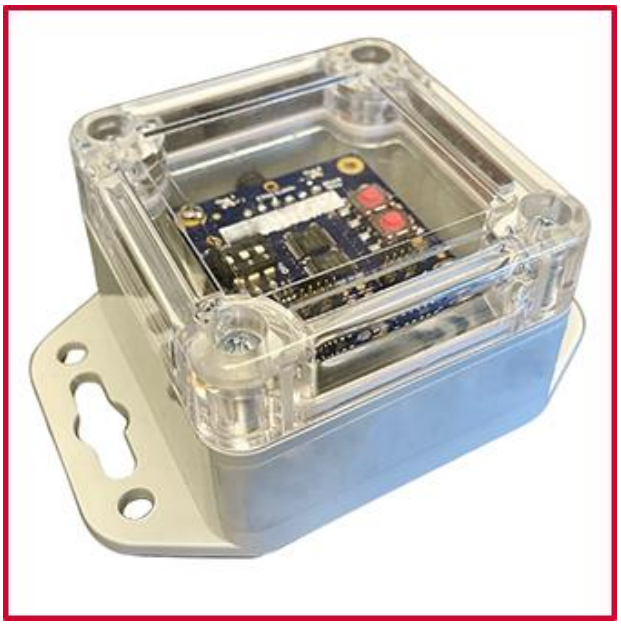
DATA SHEET
RADAR FOR LEVEL MONITORING

checkup
OBJECTS WITH LIFE INSIDE



PRODUCT APPLICATIONS

- Urban waste management
- Monitoring bins in parks and public areas
- Optimization of waste collection or other medium/large containers logistics

KEY FEATURES

PRECISE MEASUREMENT

Utilizes advanced radar technology to accurately measure the level of filling in different type of containers, ensuring precise readings even in challenging conditions.

ULTRA-LOW ENERGY CONSUMPTION

Designed for extremely low power consumption, the device is ideal for long-term applications without the need for frequent battery replacements.

ENERGY AUTONOMY

Equipped with an autonomous power system that utilizes solar energy or other renewable sources, ensuring uninterrupted operation.

WIRELESS TRANSMISSION

The detected data is transmitted wirelessly, enabling remote and real-time monitoring through IoT networks or other data management platforms.

EASY INSTALLATION

The device is compact and lightweight, facilitating installation and maintenance on any type of container.

DURABILITY

Built with weather- resistant and corrosion-proof materials, it is designed to operate effectively in harsh outdoor environments.

DESCRIPTION

Our innovative radar device is designed to accurately measure the level of filling in large/medium containers such as i.e. garbage containers or silos.
One of the standout features of this device is its energy autonomy: it is equipped with a power system that harnesses solar energy or other renewable sources, ensuring continuous operation without the need for frequent recharges. Additionally, the device is designed for easy installation and maintenance-free operation, making it ideal for a wide range of urban and industrial applications.
The radar device for measuring filling levels represents an intelligent and sustainable solution for modern cities and companies, promoting operational efficiency and contributing to the reduction of environmental impact.

TECHNICAL SPECIFICATIONS

Measurement Technology:	Millimeter wave Radar
Measurement Range:	0.1m - 5m
Accuracy:	±1 cm
Detection Angle:	From 8° up to 172°
Power Consumption:	< 0.1 W in operational mode
Power System:	External or Integrated solar panel and rechargeable battery
Wireless Communication:	LoRa, NB-IoT, Sigfox, or Wi-Fi
Data Transmission Interval:	Configurable from 1 minutes to 24 hours
Operating Temperature:	-20°C to +60°C
Dimensions:	150 mm x 100 mm x 50 mm
Weight:	300 g
Certifications:	CE, FCC, RoHS

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