TECHNICAL SPECIFICATION

ATREYO®
SOLUTIONS THAT SIMPLIFY

Atreyo Waste Management System Sensor	AWMS-DBS12



Features

- Garbage level detection
- Thermal alert
- Vibration detection alert
- Robust design
- Remote setting option
- IP66 protection
- Extended battery life

Atreyo waste management system is IoT based efficient way to reduce waste collection costs with real time dustbin location update and waste fill-level detection.

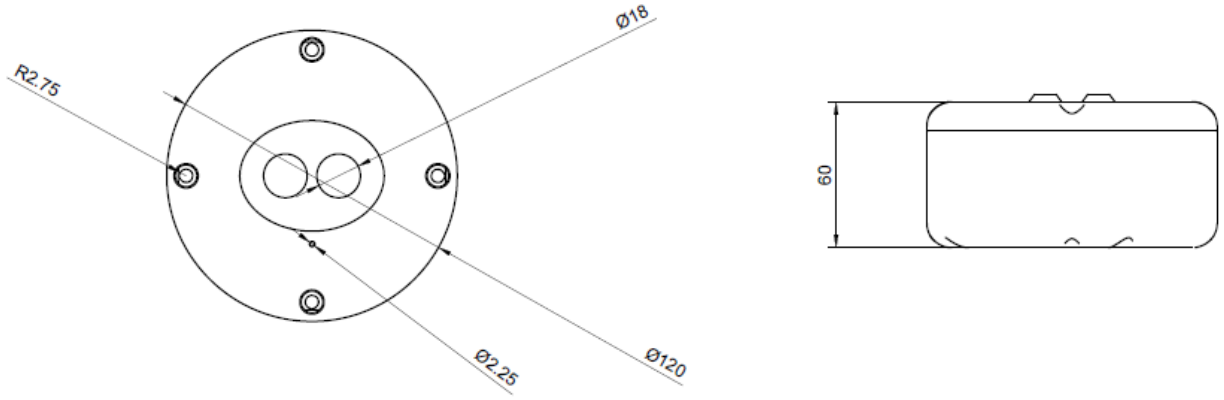
Bin Sensor detects the fill-level of waste bins and sends the data to the server, which helps to optimise the route for waste collection vehicle. Waste management system helps to reduces time waste and cost.

AWMS-DBS12 is sensor to detect garbage level in dustbins. Sensor is detecting garbage in defined interval of time and sending the garbage data to the server. High temperature and vibration alerts are send instantly.

Category	Description
Dimension	Ø 120mm, height 60mm
Material of body	ABS
Principle of operation	Ultrasonic measurement system
Detection range	Configurable: 10 – 250cm
Communication with server	GPRS
Battery lifetime (storage mode)	10 years
Battery life (work mode)	Approx. 5 year (considering 3 communication per day with server)
Battery type	Non rechargeable Lithium Battery
Working mode types:	Work mode Setting mode

Category	Description
	Sleep mode
Vibration sensor	With configuration of vibration time alert
Temperature sensor	With temperature alert setting
Indicator in setting mode	Multi-colour LED indicator
Configuration	By SMS
Environmental	Operating temperature from -5°C to +80°C Humidity: 5% to 95% RH IP protection IP66

Dimensions of bin sensor device:



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