

G3 Fill Level Sensor for Smart Waste Management



Smartphone application for easy use

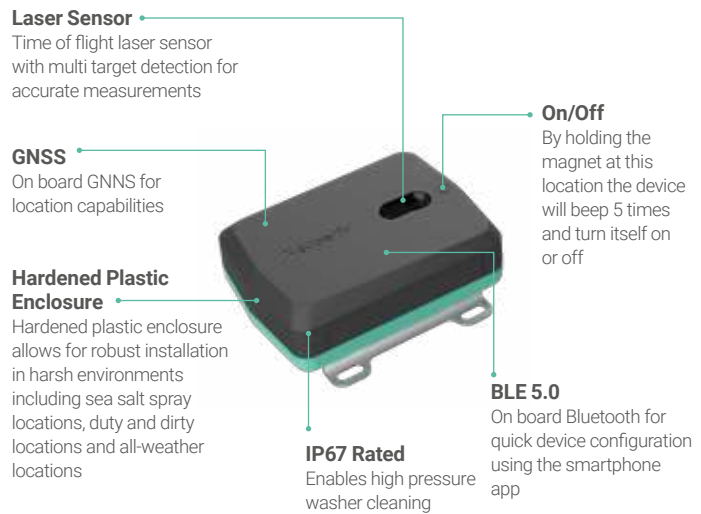


Technical specifications

Distance measurement	Laser
Minimum distance	1 cm
Maximum distance	300 cm
Measurement calculation	Multi measurement with weight approximation
Temperature measurement	Yes
Weight (batteries included)	220 g
Weight (battery excluded)	150 g
Size (h/w/d)	36 x 120 x 80mm
Power supply	Up to 5 years (battery duration depends on local temperature, type and position of the bin, and frequency of measurement)
Batteries voltage and capacity	3.6V, 2600 mAh
Batteries type	Lithium-thionyl chloride (Li-SOCL2)
Battery replaceable	Yes, 6 batteries type ER14505M or AAs (6 x 20 grams)
Temperature range	-40°C to + 65°C
Device class	Class A
Adaptive Data Rate	Yes
Downlink configuration	Yes
Measurement times	Up to 48 readings per day
Turn on mechanism	Magnetic
Cover	Recyclable, polyamide with optical fibers
Device type	Sensor Plug'n'Play
Connectivity	LTE CATNB1 or CAT-M1, GNSS, BLE 5.0
Usage	Indoor, load carriers and containers, outdoor
Application	Distance measurement, filling level measurement
Sensors	Distance
Enclosure rating	IP67
Certifications	CE, RCM, PTCRB

Product Features

- Time of flight laser sensor
- 3m sensing distance for all bin types
- Monitors solid or liquid waste
- Emergency Alerting System (fire/tipping)
- Real-time sensing of fullness
- LTE CAT-NB1, CAT-M1, GNSS, BLE 5.0
- IP67 rated for harsh waste environments
- Built-in user replaceable dual Lithium-thionyl chloride (Li-SOCL2) batteries



Typical Applications

