BriteBin™ Mini Fill Level Sensor
for Smart Waste and Recycling Management

The **BriteBin™ Pro Fill Level Sensor** is a smart waste management sensor for monitoring the fill level status of all waste and recycling materials across a wide range of containers and bins.
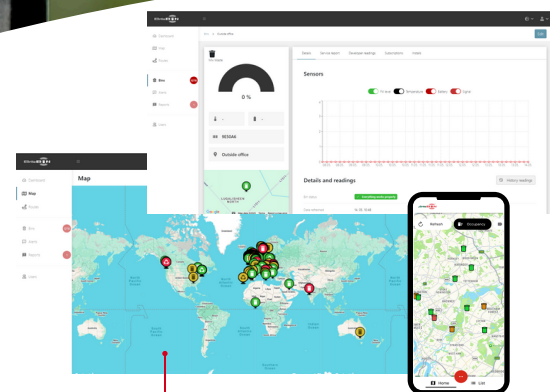
The ultrasonic sensor implementation provides accurate distance and fill level sensing capability, up to 4.5 m. A robust enclosure includes a long lasting battery* and cellular connectivity options for NB-IoT/Cat M or LoRaWAN.

Used in conjunction with the **BriteBin™ Platform**, the sensor can enhance the operational and sustainability performance around the monitoring, collection and transport of waste and recycling material.

Ideal for smart cities, commercial waste and recycling collectors, construction sites, estates and parks, campuses and shopping centres.

BriteBin™ Platform
Ingest and manage all your asset data through the BriteBin™ Platform

Key Features

◄ Mobile app for ease of use and configuration

◄ Long lifetime replacable batteries of up to 7 years*

◄ Robust waterproof enclosure

◄ Built-in 3-axis accelerometer sensor to monitor device tilt status

◄ Flame retardant enclosure

Long Lifetime
Up to 10 years year battery lifetime*

Ultrasonic Horn
With 3 to 4.5 m detection range

Robust Waterproof Enclosure
IP67 rated enclosure

Ease of Use
Simple configuration with BriteBin™ App

Multiple Sensors
Temperature, Accelerometer

Typical Applications

Waste and Recycle Bins | Smart Cities | Telematics | Document Shredding | Commerical Haulers | Construction | Clothing Donation | Agriculture | Smart Campus

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Superfy Mini Fill Level Sensor

for Smart Waste and Recycling Management

SPECIFICATIONS

Sensors

Capability	Distance, Temperature, 3-axis Accelerometer
Distance measurement	Ultrasonic
Minimum / Maximum distance	1 cm / 450 cm
Measurement calculation	Multi measurement with weight approximation

Connectivity

Connectivity Adaptive	LNB-IoT/Cat-M, GNSS
Data Rate	Yes
Downlink configuration	Yes
Measurement times	Up to 48 readings per day

Physical

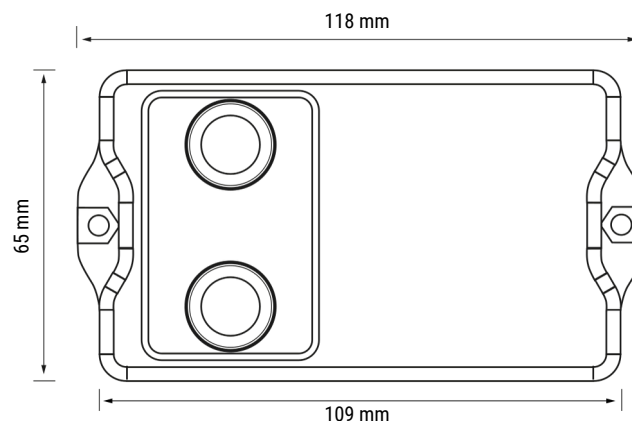|	
Dimensions	118 × 65 × 32.5 mm (L x W x H)
Operational temperature	- 30°C ~ +70°C (-22°F ~ +158°F)
Enclosure	ABS + PC (Flame Retardant)y

Power

Power supply	2 x 9000 mAh ER26500 Li-SOCL2 replacable Batteries
Battery life	Up to 10 years (Estimated battery life, 4 Times Report per Day)*

Environmental

IP Rating	IP67

Certifications

Certifications	CE, FCC, IC, EAC, ROHS

* Battery life estimates are influenced by several factors including temperature, installation and orientation of the device, the frequency of location updates, network coverage, sensor integrations, peripherals, accelerometer settings, and more.In some circumstances these environmental factors can materially affect the expected battery life of a device.