

FL 4300

BLE FILL-LEVEL SENSOR

REFERENCE
4300

BLE fill-level sensor. It uses radar to measure the distance to an object or surface, which quantifies how full a container is, or detects whether a carrier is loaded or empty.



133 × 45 × 21 mm

Dimensions L × W × D

90 g

Weight

IP67

Ingress protection

≈ 5 years

Battery life

- BLE iBeacon
- Battery life ≈ 5 years
- AA-size 3.6 V lithium thionyl chloride (Li-SOCl₂) cell
- IP67
- -20 °C → +85 °C
- Distance
- Temperature

Connectivity

TECHNOLOGY

- Bluetooth Low Energy (BLE) beacon

RANGE

- Transmit power configurable up to +8 dBm
- Actual range strongly influenced by the physical environment
- BLE advertising every 3 s

COMPATIBILITY

- All TRAKmy devices with BLE gateway capability
- Install within 10 m of the tracker

Sensor characteristics

DISTANCE

- Range : 20 cm → 7 m

TEMPERATURE

- Range : -20 °C → +65 °C
- Accuracy : ±1,5 °C

MEASUREMENT MODE

- Highly configurable to detect several material types
- Periodic measurements at a configurable interval (60 minutes by default)
- Optional pause on orientation change — avoids false readings when the sensor is fixed to a lid

CONFIGURATION

- Use-case specific profile on request
- Configurable from the TRAKmy application

Installation

MOUNTING

- Screws or double-sided adhesive

POWER

≈ 5 years

AA-size 3.6 V lithium thionyl chloride (Li-SOCl₂) cell · not replaceable

- Up to 5 years of battery life
- Battery life stated for the default configuration

Physical characteristics

Dimensions L × W × D	133 × 45 × 21 mm
Weight	90 g
Housing	UV-stable PBT/PC
Ingress protection	IP67
Operating temperature	-20 °C → +85 °C