Ultrasonic level sensors

NB-IoT Waste-Bin Overflow Terminal, Ultrasonic, GPS

Model S02

Ultrasonic IoT terminal that reports waste-bin fill and lid-open status over NB-IoT (optional CAT-M1), with 25-200 cm detection range, GPS and a 13000 mAh battery.



Range	Output
25–200 cm	NB-IoT
Protection	**Battery life**
IP67	5 years

Features

- Tilt detection 0-180 deg
- IP67 housing
- Battery life 5 years
- Split host and sensor design
- Detection cycle 5 minutes (configurable)

Applications

City sanitation management, Airport and office waste management, Community waste management

Specifications

Detection range	25-200 cm
Tilt detection range	0-180°
Battery capacity	13000 mAh
Battery life	5 years
Cellular network	NB-IoT (optional CAT-M1)
IP rating	IP67
Operating temperature	-20 to +70 °C
Default sensor module	A13-V1.0
Detection range	25–200 cm
Battery capacity	13000 mAH
Sensor detection	
Average operating current	≤15 mA

Data upload	
Average operating current	≤110 mA
Standby current	≤10 uA
Detection cycle	5 minutes (configurable)
Tilt detection range	0–180 °
Waterproof rating	IP67
Body dimensions	100*68*50 mm
Positioning	GPS/Galileo
Positioning accuracy	3 m
Wireless network standard	NB-IOT, CAT-M1
Network protocol	TCP/UDP/Http push
Wireless bands (nb-iot)	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
Wireless bands (CAT-M1)	B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85

Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

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