

Fill-Level Ultrasonic NBloT Sensor

IS101-FL-NB-BT8-4M

The IS101-FL-NB-BT8-4M is a wireless fill-level sensor by ultrasonic detection for waste bins, postboxes, tanks, or containers. The sensor reports real-time status such as fill-in level, or temperature, or bent angle data via NBloT wireless to the ThingsMaster OTA or customer own OTA platform by TCP protocol with secured data encryption. The global NBloT band is supported with B1/3/5/8/20/28. The sensor is powered by 8500mAh battery and can work up to 8 years depending on work mode. The ABS enclosure is IP68 weather protected. Operation temperature is from -20~70C. The Fill-Level sensor can be easily attached to any type of container or tank top to monitor solids and liquids level.



ThingsMaster OTA



Features & Benefits

Detection Technology	Ultrasonic
Detection Object	Solid or Liquid Level
Detection Range	4 meter Range
Enclosure	IP68
Installation	Mount on Container Cover (4 Meter Range)
Dimension	(D)115 x (H)40 mm
Wireless	NBloT (B1/3/5/8/20/28), 1 SIM
Cloud Protocol	TCP
Weight	150g
Application Platform	ThingsMaster OTA
Operating Temperature	-20 to 70°C
Power Supply	ER26500 lithium battery 8500mAh 3.6v
Battery Life	8 years(4 transmission times/day)



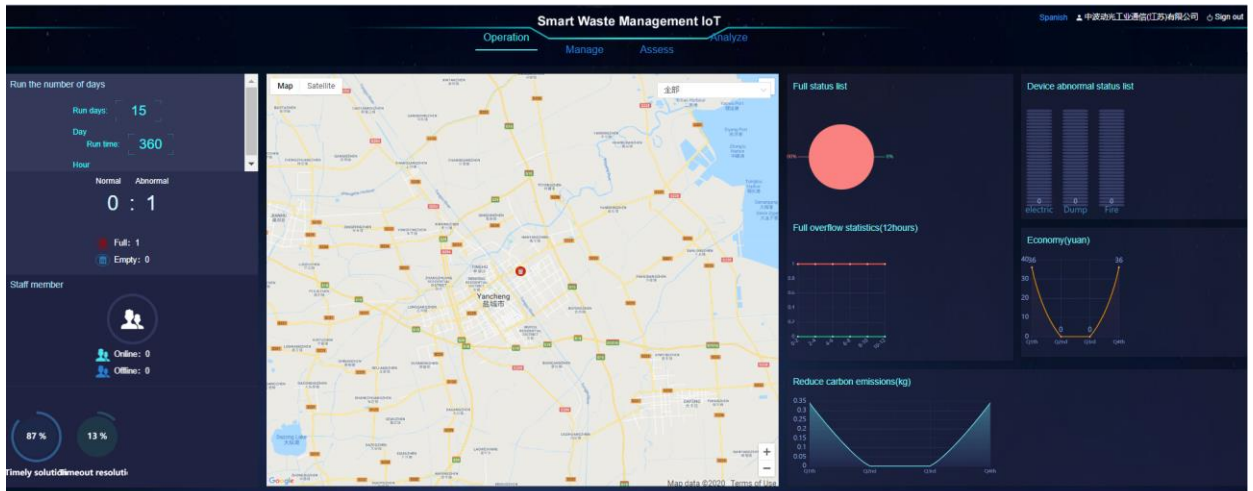
Fix on top of the cover of waste bin, with sensor facing down.



Features & Benefits

✓ Real Time OTA Management

- Integrated OTA platform on public Cloud
- Real-time status of parking space occupancy
- Auto-assign group IP



设备管理 > 设备列表 > 设备上报历史

上报时间	高度	坐标经度	坐标纬度	温度	设备状态	倾倒角度	满溢	起火	倾倒	电量	信号强度	电池电压	RSRP	SNR	帧计数器
2019-12-26 15:11:11	291			21	0	3	0	0	0	0	1	3.63	-828	-8	14
2019-12-26 15:04:43	241			21	0	22	1	0	0	0	2	3.63	-864	-91	13
2019-12-26 13:07:52	297			21	0	3	0	0	0	0	1	3.63	-695	47	12
2019-12-26 12:21:23	186			21	0	6	1	0	0	0	2	3.63	-795	-32	11
2019-12-26 12:17:42	306			21	0	61	0	0	1	0	1	3.63	-898	48	10

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Ordering Information

Model	Description
IS101-FL-NB-BT8-4M	IoT Fill-Level Ultrasonic Sensor NBloT IP66, 8000mAh Battery, 4 Meter Range
ThingsMaster OTA FL-100	Annual Fee- ThingsMaster OTA 100 Fill-Level Nodes on public server
	Package List
	Product Unit x 1 (SIM Card not included)
	TTL Configuration Tool (one/batch)
	2 Fixing Screws
	Magnetic Configuration Tool (Round 20x3mm)
	QIG