IoT monitoring

Trash Can Overflow Monitor, LoRaWAN and NB-IoT

Model CS-iTRF-02

Battery-powered terminal that monitors trash can fill level over 10cm~80cm, with ±3cm accuracy up to 60cm, reporting by LoRaWAN or NB-IoT, 3-5 years battery life.



Accuracy
±3cm

Frequency
B1/B3/B5/B8/B20/B28

Protection
IP65

Features

- Single-barrel and double-barrel versions
- Accuracy ±10cm from 60cm to 80cm
- Li-ion battery ER26500M (3.6V)
- IP65, fire-retardant ABS lens
- Easy installation

Applications

Trash can overflow monitoring

Specifications

Wireless	
Working frequency (LoRaWAN)	433MHz/470MHz/868MHz/915MHz/923MHz
Working frequency (NB-IoT)	B1/B3/B5/B8/B20/B28
Type (LoRaWAN)	Class A
Antenna port	FPC antenna
Configuring serial port settings	9600,n,8,1 (open the product cover to use the configuration serial port)
Electrical	
Working voltage	Li-ion battery ER26500M (3.6V)
Battery lifespan	3-5 years
Max current	<200mA
Sleep current	<10.0μA
Performance	

Measuring distance	10cm~80cm
Measuring accuracy (10cm~60cm)	±3cm
Measuring accuracy (60cm~80cm)	±10cm

Mechanical

Protection grade	IP65
Lens material	ABS Fire Retardant

Environmental

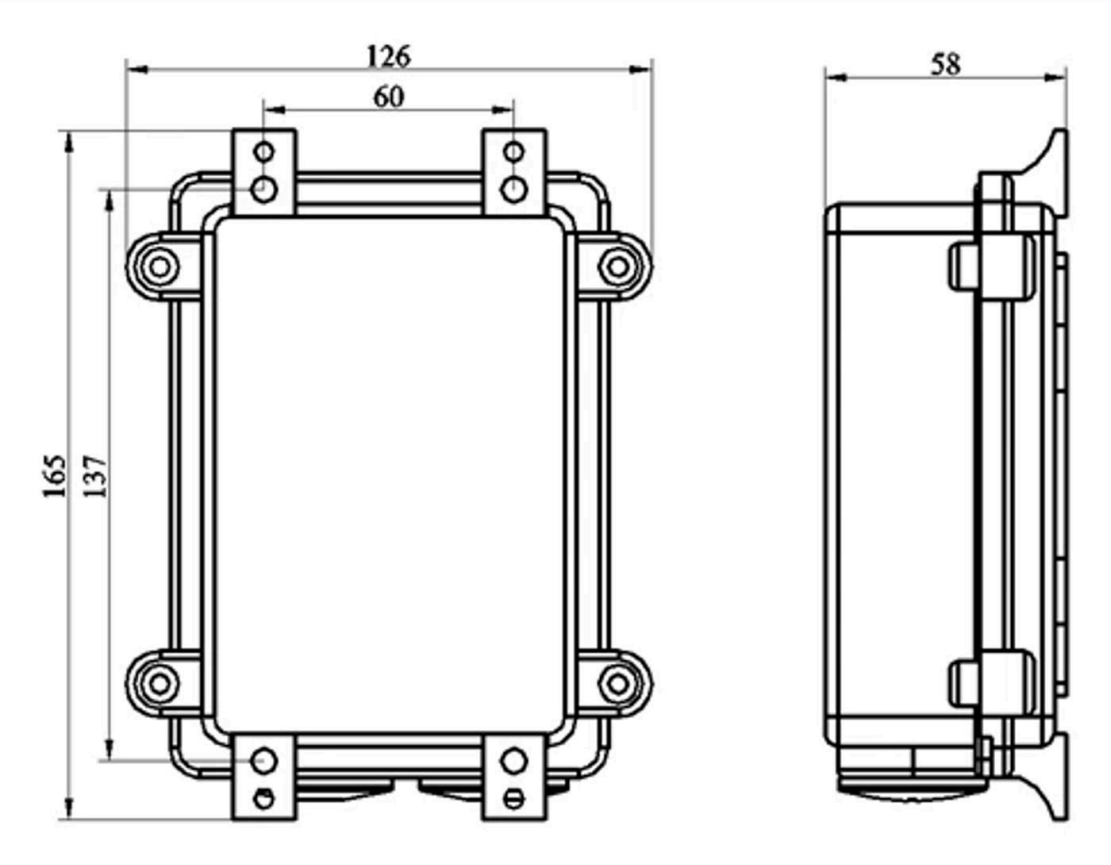
Working temperature (NB-IoT, consumer SIM card)	(-25–+85)°C
Working temperature (LoRaWAN / NB-IoT, industrial SIM card)	(-40–+85)°C
Storage temperature	(-40–+85)°C

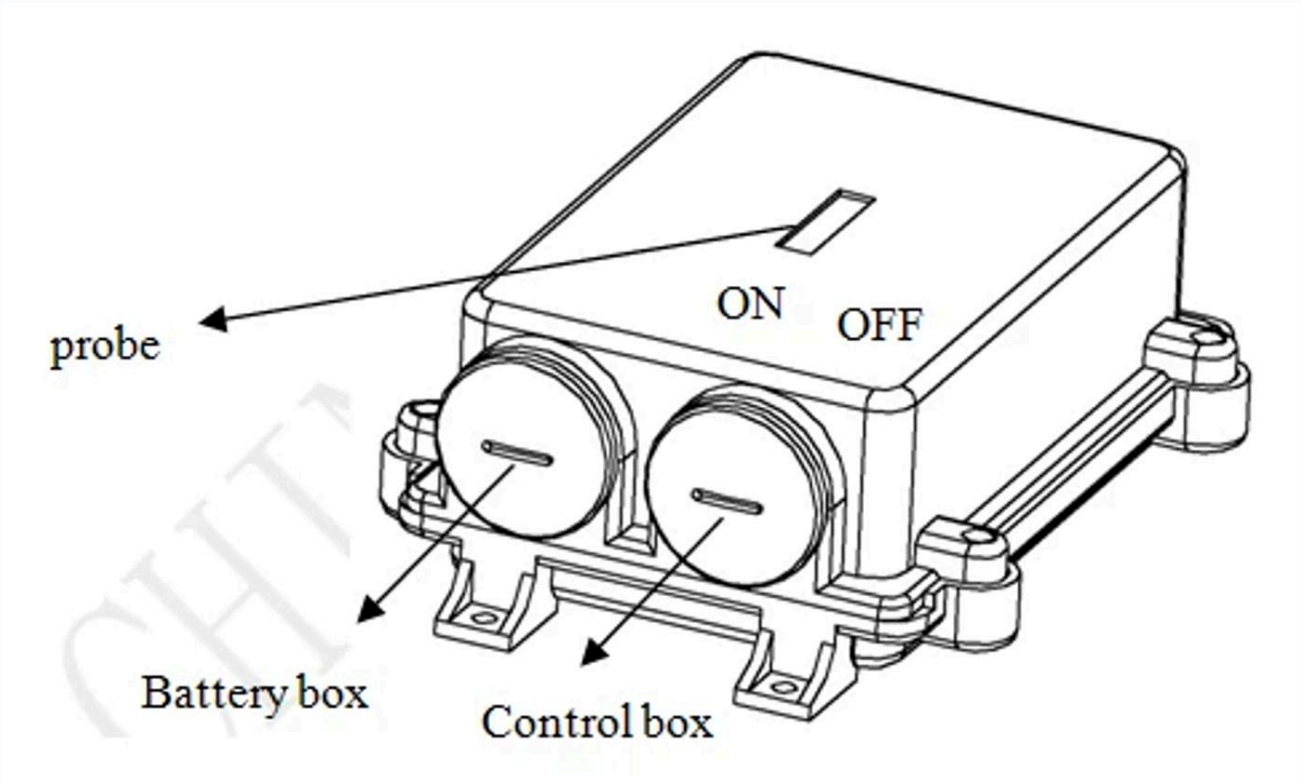
Ordering and support

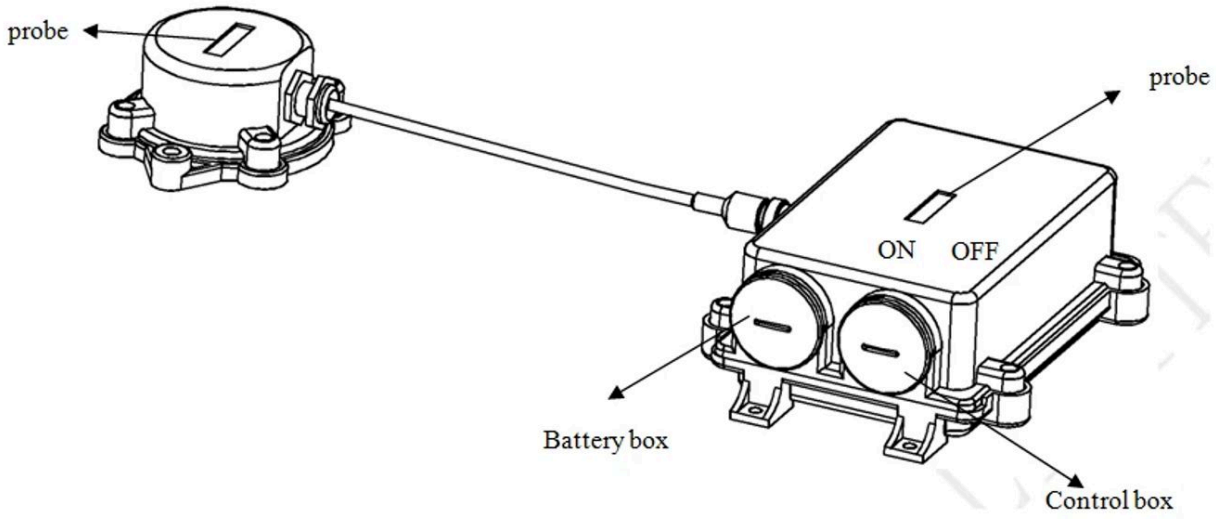
Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

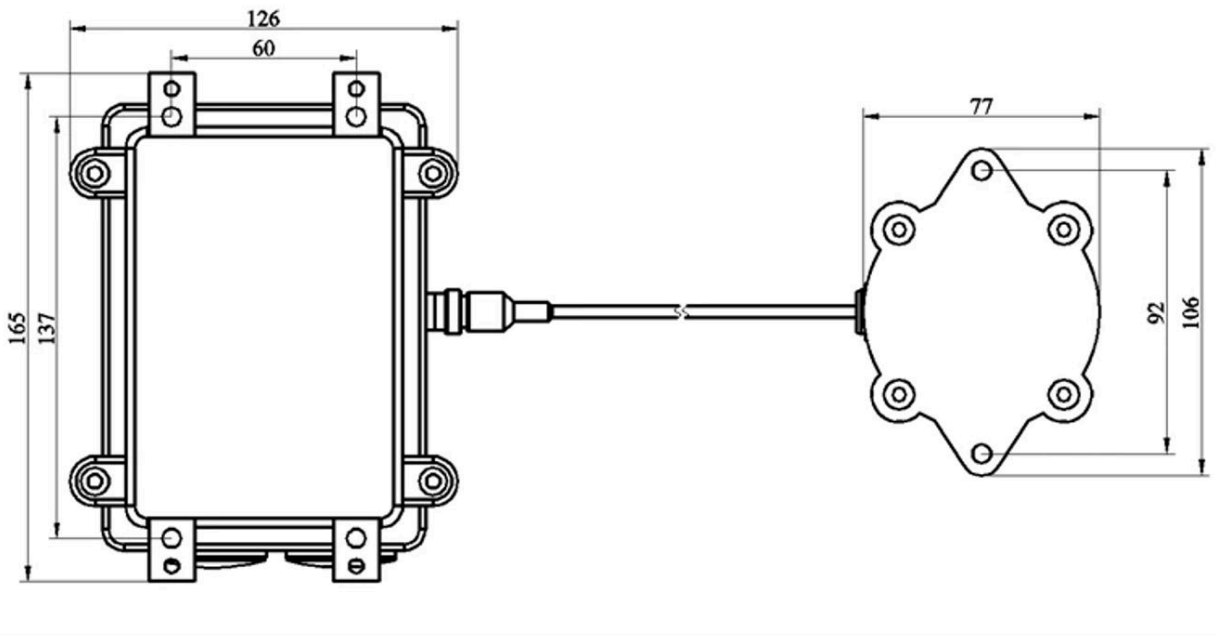
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Dimensions and wiring









Drawings are for reference. Dimensions in millimetres unless stated.