IoT monitoring

Wireless Level Sensor, GSM/GPRS, LoRaWAN or NB-IoT

Model CS-iTLLS-05

Battery-powered wireless liquid level sensor using pressure-based measurement over 0–5m (configurable) with ±0.5% F.S accuracy, reporting by GSM/GPRS, LoRaWAN or NB-IoT.



Range	Accuracy
0–5m (configurable)	±0.5% F.S
Frequency	**Protection**
B1/B3/B5/B8/B20	IP65

Features

- Real-time level monitoring with alarm
- Configurable sampling time, report interval and alarm threshold
- Built-in ER26500M battery, standby over 6 years
- DC12V or DC24V external supply
- IP65 ABS housing

Applications

Water towers, Ponds, Water tanks, Fuel tanks, Underpasses and tunnels

Specifications

Wireless	
Frequency (gsm/gprs)	850MHz/900MHz/1800MHz/1900MHz
Frequency (LoRaWAN)	434MHz/470MHz/868MHz/915MHz
Frequency (NB-IoT)	B1/B3/B5/B8/B20

Electrical	
Voltage (external power supply)	DC12V/ DC24V
Voltage (battery)	Lithium Battery: ER26500M (3.6V), built-in, non-rechargeable
Battery life (standing-by)	> 6 years
Sleeping current (battery powered)	<50μA

Maximum current (gsm/gprs @ DC12V supply)	<200mA
Maximum current (LoRaWAN @ DC12V supply)	<30mA
Maximum current (NB-IoT @ DC12V supply)	<35mA

Performance	
Level range	0–5m (configurable)
Accuracy	±0.5% F.S

Mechanical	
Protection level	IP65
Housing material	ABS

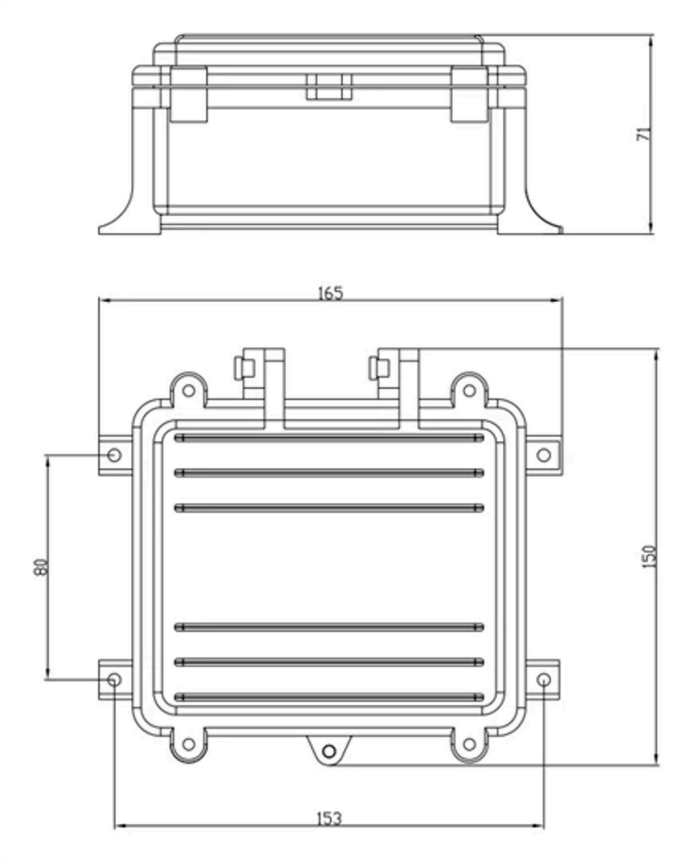
Environmental	
Working temperature	(-20–+70)°C
Storage temperature	(-40–+85)°C

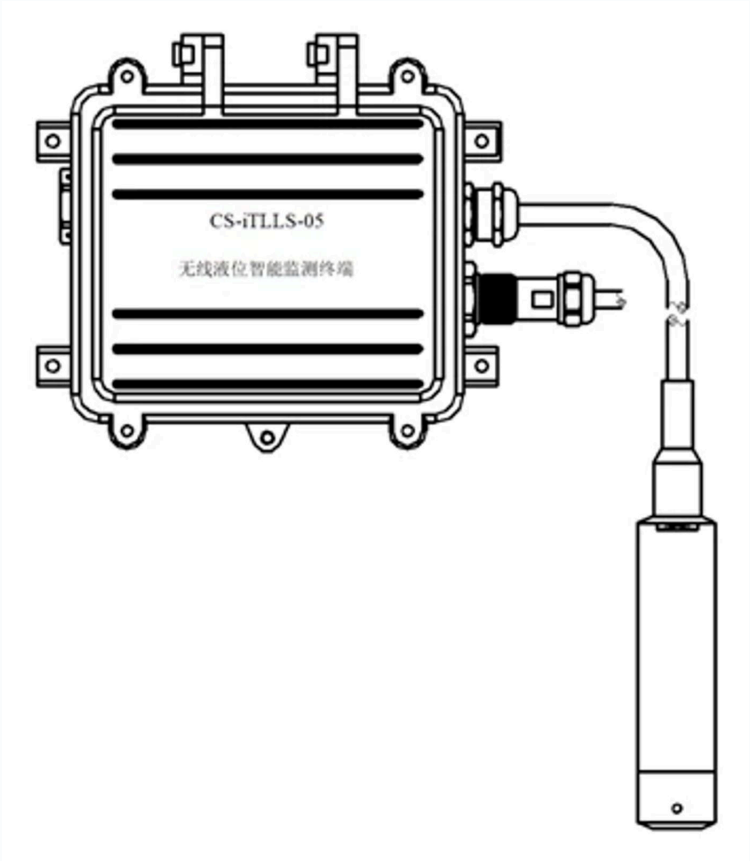
Ordering and support

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.