IoT monitoring

Bluetooth Vibration and Temperature Sensor, BLE 5.0

Model CS-iWPVT-01

Battery-powered Bluetooth BLE 5.0 sensor combining an accelerometer (±/2±4/±8/±16g) and temperature sensor for vibration and temperature measurement, IP67, life ≥ 3years.



Range
±2/±4/±8/±16g (3 axes)

Output
Bluetooth, BLE 5.0

Frequency
bandwidth 1Hz-1.5KHz

Protection
IP67

Features

- 32-bit low-power ARM processor
- Acceleration resolution 5mg@±16g
- Temperature range (-20–125°C)±3°C
- Stainless steel and nylon housing
- Built-in antenna

Specifications

Performance specifications

Acceleration detection range	±2/±4/±8/±16g (3 axes)
Acceleration resolution	5mg@±16g
Vibration frequency detection range	bandwidth 1Hz-1.5KHz
Temperature range	(-20–125°C) ±3°C
Pressure range	Customizable (the pressure sensor is external)

Electrical

Operating voltage	DC 3.6V (built-in lithium battery ER26500)
Operating maximum current	<20mA
Sleep current	<15μA
Battery life	≥ 3years @ room temperature (sampling and send once in 1 minute; 10s scheduled broadcast)
Mode of communication	Bluetooth, BLE 5.0

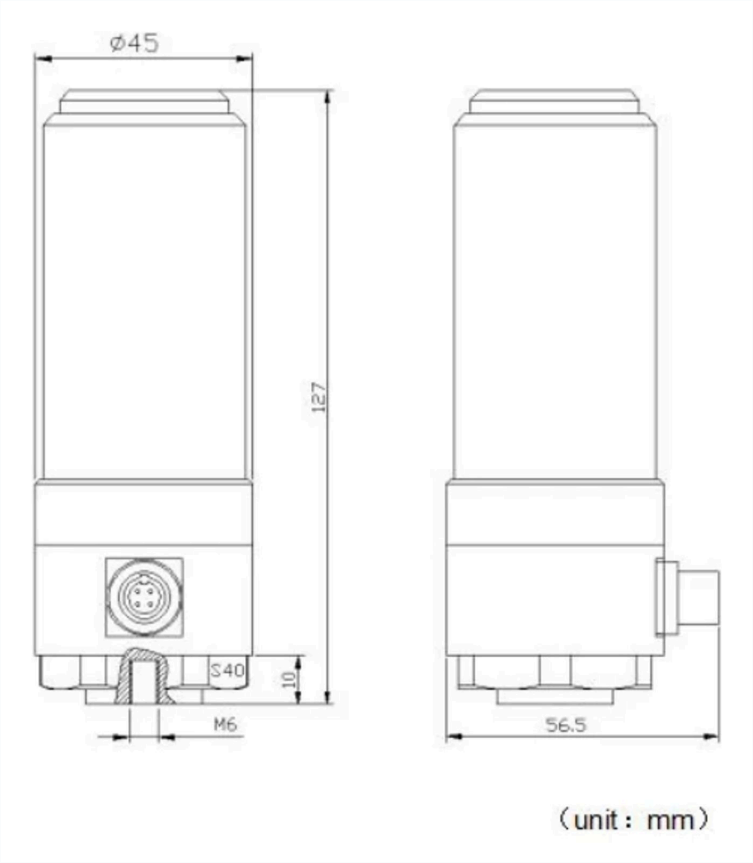
Antenna	Built-in antenna
Mechanical	
Degree of protection	IP67
Housing material	Stainless steel + nylon
Environmental	
Operating temperature	(-20–+85)°C
Storage temperature	(-40–+85)°C
Operating humidity	0–95%RH

Ordering and support

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

Guangzhou Dwin Technology Co., Ltd., 4th Floor, Building 2, No. 4 Xingye Road, Xiaowu Second Industrial Zone, Dongyong Town, Nansha District, Guangzhou, China. Specifications are typical values and may change without notice; confirm critical values with DWIN before design-in. Revision 2026-11.

Dimensions and wiring



Drawings are for reference. Dimensions in millimetres unless stated.