

T7000-I: LOW POWER FULLY TEMP COMPENSATED HIGH PRECISION WIRELESS TRANSMISSION TILT SENSOR

■ PRODUCT DESCRIPTION

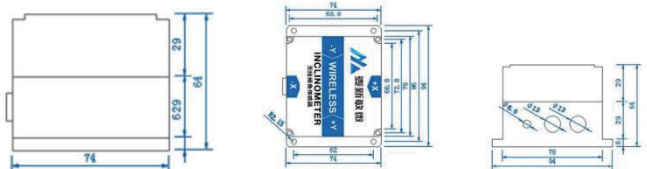


T7000-I-Modbus protocol is an ultra-low power consumption, small size, and full temperature compensation high-precision wireless inclination sensor. Powered by lithium batteries, based on the Internet of Things technology Bluetooth/Zigbee (optional) wireless transmission technology, all internal circuits have been optimized and designed using various measures such as industrial-grade MCU, three-proof PCB board, imported cables, and wide-temperature metal casing. The product has great long-term stability and small zero-point drift, and can automatically enter low-power sleep mode and getting rid of dependence on the use environment.

■ PRODUCT MAIN SPECIFICATION

Parameter	Conditions	T7000-I	Unit
Measuring range		±30	°
Measuring axis		X, Y	
Zero temperature drift	-40 ~ 85°	±0.0005	°/°C
Sensitivity temperature coefficient	-40 ~ 85°	≤150	ppm/°C
Frequency response	DC response	100	Hz
Resolution		0.0005	°
Accuracy	-40 ~ 85°C	0.001	°
Long term stability	-40 ~ 85°C	<0.0016	°
Power-on start time		0.2	s
Response time		0.05	s
Radio frequency	2460MHZ (default), 2405~2480 adjustable		
Transmission distance	1.6KM		
Built-in battery capacity	6000mAh		
Average working hours	≥55000 hours/time		
Impact resistance	2500g, 0.5ms, 3 times/axis		
Anti-vibration	10grms、10 ~ 1000Hz		
Insulation resistance	≥100MΩ		
Waterproof level	IP67		
Weight	475g (excluding packaging box)		

■ PRODUCT DIMENSION



SIZE: L94*W74*H64MM

■ PRODUCT APPLICATION

- Billboard monitoring
- Monitoring of high-speed railway foundation tunnels
- Bridge construction
- Satellite solar antenna positioning
- Ship navigation attitude measurement
- Medical equipment
- Angle control of various construction machinery
- Pan tilt leveling