

## T7000-K: HIGH PRECISION WIRELESS TRANSMISSION INCLINATION SENSOR



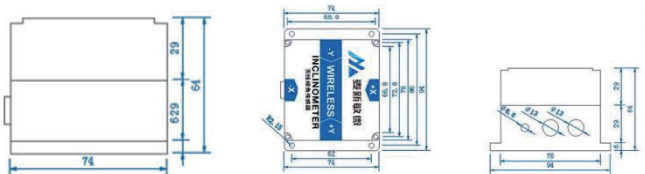
### ■ PRODUCT DESCRIPTION

T7000-K Modbus protocol is an ultra-low power consumption, small size, and high-performance wireless inclination sensor independently developed by Micro-Magic Inc. It is aimed at industry applications where users have no power supply conditions or real-time dynamic measurement of object attitude angles. Based on the Internet of Things technology Bluetooth, Zigbee (optional wireless transmission technology), all internal circuits have been optimized and designed, with good long-term stability and small zero-point drift. It can automatically enter low-power sleep mode to get rid of dependence on the use environment. Industrial-grade equipment wireless transmission distance Bluetooth <50 meters Zigbee< 160 0 meters.

### ■ PRODUCT MAIN SPECIFICATION

Parameter	Condition	T7000-K				Unit
Measuring range		±90				°
Measuring axis		X, Y axis				
Zero temperature drift	-40~85°C	±0.01				°/°C
Sensitivity temperature system number	-40~85°C	≤150				ppm/°C
Frequency response	DC response	100				Hz
Resolution		0.01				°
Accuracy	-40~85°C	0.1				°
Long term stability	-40~85°C	< 0.12				°
Power-on start time		0.2	0.2	0.2	0.2	s
Response time		0.05	0.05	0.05	0.05	s
Wireless frequency	2460MHZ (default), 2405~2480 adjustable					
Transmission distance	1.6KM					
Built-in battery capacity	5000mAh					
Average working hours	≥55000 hours/time					
Impact resistance	3500g, 0.5ms, 3rd axis					
Anti-vibration	10grms、10 ~ 1000Hz					
Insulation resistance	≥100MΩ					
Waterproof level	IP67					
Weight	450g (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