

T70-C: CURRENT OUTPUT TYPE SINGLE-AXIS INCLINATION SENSOR

■ PRODUCT DESCRIPTION

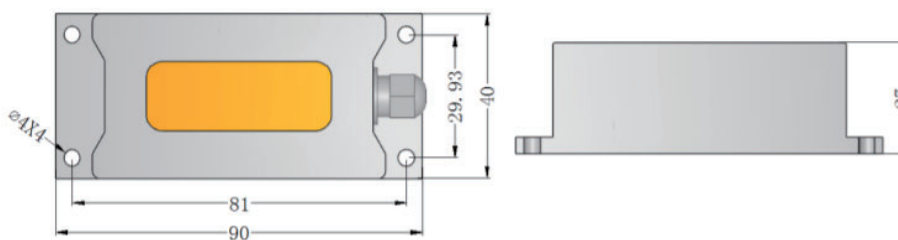


T70-C is a small size single-axis current output inclination sensor developed by MXMW Hi-Tech Company. The output current is 4~20mA, 0~20mA, 0~24mA optional. Due to the built-in inclination unit of the latest micro-electromechanical production technology, it is small in size and low in power consumption. The working temperature reaches the industrial level -40~+85 °C. The long-distance transmission can reach more than 2500 meters. It has strong anti-electromagnetic interference ability and can be adapted to the environment. Long-term work in harsh industrial environments.

■ PRODUCT MAIN SPECIFICATION

Parameter	Conditions	T70-C-10	T70-C-30	T70-C-60	T70-C-90	Unit
Measuring range		±10	±30	±60	±90	°
Measuring axis	Y axis (optional)	X	X	X	X	
Zero temperature drift	-40 ~ 85°	±0.01	±0.01	±0.01	±0.01	°/°C
Sensitivity temperature coefficient	-40 ~ 85°	≤150	≤150	≤150	≤150	ppm/°C
Zero bias	0° output	4~20mA output 12mA 0~20mA output 10mA 0~24mA output 12mA				mA
Frequency response	DC response	100	100	100	100	Hz
Resolution	Bandwidth 5Hz	0.01	0.01	0.01	0.01	°
Accuracy	-40 ~ 85°C	0.1				°
Long term stability	-40 ~ 85°C	<0.12				°
Power-on start time		0.2				s
Response time		0.01				s
Output method		4-20mA, 0-20mA, 0-24mA optional				
Average working hours		≥55000 hours/time				
Impact resistance		3500g, 0.5ms, 3 times/axis				
Anti-vibration		10grms、10 ~ 1000Hz				
Insulation resistance		≥100MΩ				
Waterproof level		IP67				
Cable		Standard 1.5 meter-length, wear-resistant, oil-proof, wide temperature, shielded cable 6*0.3mm ²				
Weight		145g (excluding packaging box)				

■ PRODUCT DIMENSION



SIZE: L90*W40*H27MM

■ PRODUCT APPLICATION

- Monitoring based on tilt/inclination sensor
- Aerial work vehicles
- Pan/tilt leveling
- Satellite solar antenna positioning
- Mining machinery, oil drilling equipment
- Bridge and dam monitoring
- Medical equipment
- Angle control of various construction machinery
- High-voltage power tower monitoring