T70-FB: HIGH PRECISION DUAL-AXIS 4 PHASE 2 WAY TILT SWITCH
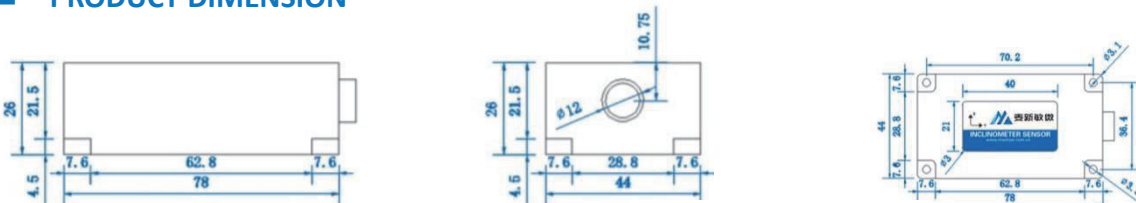
■ **PRODUCT DESCRIPTION**

T70-FB is a high-precision 0.01°, small size, low power consumption, high consistency and stability, dual axis 4-phase and 2-way tilt switch launched by MXMW Hi-Tech Company. The working temperature reaches industrial grade -40 ℃ -85 ℃, and the alarm threshold of the switch action point is calibrated at the factory. It is equipped with computer debugging software, and the switch action point and trigger delay time can be set by the user. The product is designed with precision, compensating for temperature and linearity again, integrating comprehensive protection functions such as short circuit, instantaneous high voltage, polarity, surge, etc.

■ **PRODUCT MAIN SPECIFICATION**

Parameter	Conditions	T70-FB	Unit
Measuring range		±90	°
Measuring axis		X, Y axis	
Alam axis		X, Y axis	
Frequency response	DC response	100	Hz
Resolution	-40 ~ 85℃	0.002	°
Accuracy	-40 ~ 85℃	0.01	°
Long term stability	-40 ~ 85℃	<0.02	°
Power-on start time		0.5	s
Output signal	Switching quantity (voltage) output, RS232 and TTL optional at the same time, RS485 can be customized		
	Relay (normally open and normally closed) output, RS232 and TTL optional at the same time, RS485 can be customized		
Average working hours	≥55000 hours/time		
Impact resistance	20000g, 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 8*0.3mm2		
Weight	130g (excluding packaging box)		

■ **PRODUCT DIMENSION**

SIZE: L78*W44*H28MM

■ **PRODUCT APPLICATION**

- High-voltage power line tower monitoring
- Aerial work vehicles
- Pan/tilt leveling
- Charging piles and towers

- Forklifts, pile foundation
- Mining machinery, oil drilling equipment
- Monitoring based on tilt/inclination sensor

- Hydraulic lift table
- Medical equipment
- Angle control of various construction machinery