

T70-FA: HIGH PRECISION DUAL-AXIS 4 PHASE 4 WAY TILT SWITCH

■ PRODUCT DESCRIPTION

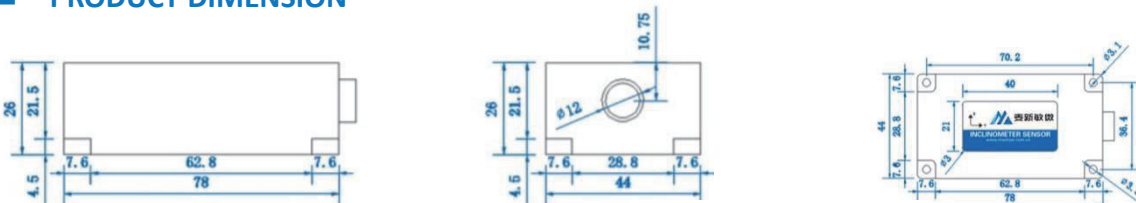


T70-FA is a high-precision 0.01°, small size, low power consumption, high consistency and stability, dual axis 4-phase and 4-way tilt switch launched by MXMW Hi-Tech Company. The working temperature reaches industrial grade -40 °C -85 °C, and the alarm threshold of the switch action point is calibrated 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-FA	Unit
Measuring range		±90	°
Measuring axis		X, Y axis	
Alarm axis		X, Y axis	
Frequency response	DC response	100	Hz
Resolution	-40 ~ 85 °C	0.002	°
Accuracy	-40 ~ 85 °C	0.01	°
Long term stability	-40 ~ 85 °C	<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*0.3mm ²	
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