

SX electronic tilt sensor

1.SX electronic tilt sensor Description:

SX electronic tilt sensor is a high-performance, low-cost angle measuring device. It combines advanced electronic technology to convert the angle changes to change a linear resistor circuit through the analog output voltage or output ratio is therefore high reliability, low power consumption, light weight structure can be used alone, can be easily integrated into any system, especially while the same sensor can only provide +/- 10 ° and +/- 45 ° high and low measurement ranges when selecting +/- 10 ° range, the output per unit of up to 200 mV, to design It provides a very convenient option.

2.SX electronic tilt sensor performance indicators:

Range:	+/-45 ° and +/-10 °Along with
Resolution:	0.001°
Linearity:	0 to 10 ° +/- 0.1°
	10 to 45° +/-1% of Angle
	45 to 60 ° Nonlinear
Sensitive axis error:	<1% to 45°
Accuracy:	+/-0.25% FSO
Operating temperature:	-40°C to +85 °C
Storage temperature:	-55°C to +85 °C
Zero temperature coefficient:	0.008 ° / °C
Temperature coefficient of sensitivity:	0.1% / °C
The time constant:	0.3 秒
Frequency response:	0.5 Hz

3.SX electronic tilt sensor wiring definitions:

	Analog Output
Model	SX13-01*
Wiring definitions	
J1-1	
J1-2	+12Vdc (nom)
J1-3	-12Vdc (nom)
J1-4	Power, signal ground Signal output
J2-1, J2-2	
Connection Status:	
Short circuit	60mV/deg, +/-45 degrees Linear Range
disconnect	200mV/deg, +/-10 degrees Linear Range
Supply Voltage	+/-8Vdc to +/- 20 Vdc
Supply Current	3 mA

Installation forms and output signals are available