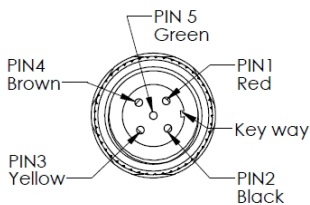


Industrial inclinometer

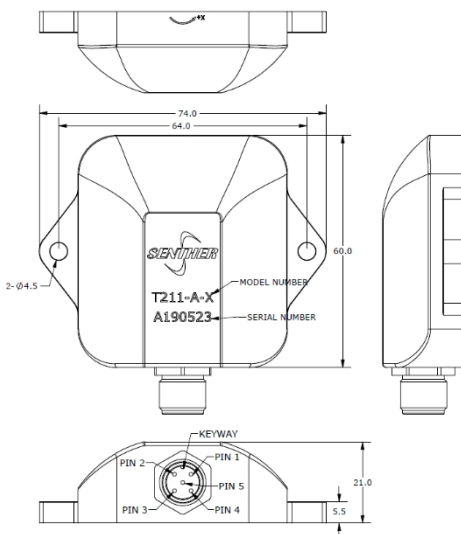


Features

- Wide measuring range
- Wide supply voltage range
- Low supply current
- Harsh environment
- Motion vertical to cable



18A-L Mating Cable



Measuring range	$\pm 5^\circ$ 、 $\pm 10^\circ$ 、 $\pm 15^\circ$ 、 $\pm 30^\circ$ 、 $\pm 45^\circ$ 、 $\pm 60^\circ$ 、 $\pm 90^\circ$ 、 $\pm 180^\circ$ 、 $0\sim 360^\circ$
Measurement accuracy($-40\sim 70^\circ\text{C}$):	
$\pm 5^\circ$ 、 $\pm 10^\circ$ 、 $\pm 15^\circ$ 、 $\pm 30^\circ$ 、 $\pm 45^\circ$ 、 $\pm 60^\circ$	$\pm 0.5^\circ$
$\pm 90^\circ$ 、 $\pm 180^\circ$ 、 $0\sim 360^\circ$	$\pm 1^\circ$
Cross axial error.....	$\pm 0.2\%$
Refresh rate(MAX.).....	50Hz
Non-linearity.....	$\pm 0.3^\circ$
Resolution.....	0.05°
Repeatability.....	$\pm 0.2^\circ$
Bandwidth(5Hz、 10Hz available).....	Default 3Hz
Response time (no filtering)	5ms

Electrical

Power requirement.....	8 - 36 VDC
Voltage SFO.....	0.5 – 4.5 V
Current SFO.....	4 - 20 mA
Startup time	< 1s

Environmental

Temperature range.....	-40 to 85°C
EMC.....	EN61000/GBT17626
Shock limit.....	Up to 1500g
Insolation.....	$\geq 100\text{M ohms}$

Physical

Protection.....	IP67
Weight(W/O cable).....	$\leq 200\text{grams}$
Case material.....	Anodized aluminum
Mounting.....	M4 Screws
Output Connector.....	M12_5-Pin socket
Mating cable.....	18A-L

Accessories

Calibration certificate
M4X10mm screw

Output type(Refer below table, X axial only)

ITEM	OUTPUT INTERFACE CODE X					
	A	B	C	D	E	F
	RS232	RS485	CAN OPEN	SWITCH ALARM	VOLTAGE	CURRENT
CONNECTOR PIN 1	POWER+	POWER+	POWER+	POWER+	POWER+	POWER+
CONNECTOR PIN 2	POWER GND	POWER GND	POWER GND	POWER/SIGNAL GND	POWER GND	POWER GND
CONNECTOR PIN 3	TXD	RS485-A	CAN-H	CONTROL POWER +	Vx	Ix
CONNECTOR PIN 4	RXD	RS485-B	CAN-L	X AXIS ALARM	Vy	Iy
CONNECTOR PIN 5	SIGNAL GND	SIGNAL GND	SIGNAL GND	Y AXIS ALARM	SIGNAL GND	SIGNAL GND
COMMUNICATION PROTOCOL	MODBUS	MODBUS	CAN OPEN	/	/	/

Ordering Information

