

PST Inclinometer152

Feature

4~20mA output	Anti-electromagnetic interference
Fully sealed	Anti-power interference
IP67 protection	Dual-axis
-40~85 C operating temperature	

PST152 series inclinometer is a high performance and hard angle measure device, mainly designed for engineering plant. Except satisfy the common application requirement, this type inclinometer adopt kinds of procedure to ensure the reliability and stability, as automotive level MCU, PCB with special protective treatment, tensile cables, automated testing before leave factory, high precision aluminium alloy housing and so on.

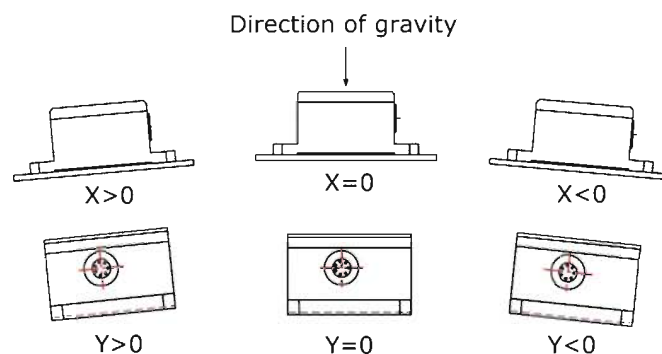


PST152 series inclinometer with 4~20mA output, can choose connector and pigtail.

PST152 series inclinometer can directly connect with vehicle battery or other no-regulated supply, because of its widen load impedance may be present in any PLC or data acquisition device.

Application field

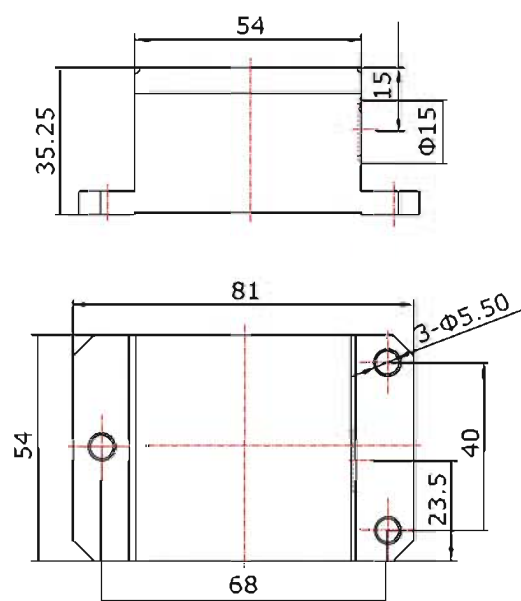
Mine Machine、 Food machine、 Construction machinery、 Farm machine、 Factory automation、 Transport machinery、 Medical facilities



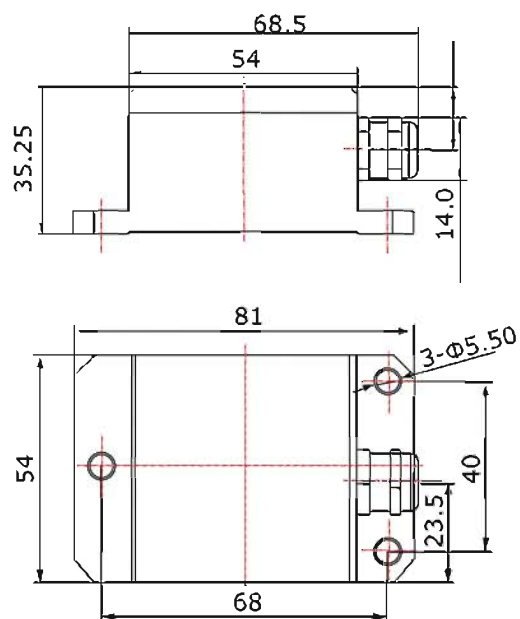
Specifications (Ambient 25 °C, unless specified)

Product Type	PPST152-5	PPST152-10	PPST152-15	PPST152-30	PPST152-45	PPST152-60
Range	±5°	±10°	±15°	±30°	±45°	±60°
Accuracy (max)	±0.1°	±0.1°	±0.1°	±0.1°	±0.15°	±0.2°
Resolution	0.01°	0.01°	0.01°	0.01°	0.02°	0.02°
Temp. Drift Coefficient	≤100ppm/ °C	≤100ppm/ °C	≤100ppm/ °C	≤85 ppm/ °C	≤85 ppm/ °C	≤100ppm/ °C
Axis	Dual-axis					
Response Time	0.3s					
Cross-Axis Error	±0.3%FS					
Output Signal	4~20mA					
Output Impedance	150~250Ω					
Insulation Resistance	100M Ω					
EMC	CE Standard					
Power Supply	14~36VDC (no-regulated)					
Consumption Current	≤100mA					
Power Rejection Ratio	>85dB					
Operating Temp.	-40~85°C					
Refresh Rate	5Hz(optional 10Hz, 20Hz)					
Protection Class	IP65/IP67					
Connection	Pigtail (optional Binder 712 connector) 2meters cable					
Housing Material	Hard anodized aluminium alloy					
Cable	7 pins PVVC shielded cable					
Dimensions	81x54x35.25mm					
Shock	100g, 11ms, 3-axis (Standard: GB6587.4-86)					
Vibration	8g rms, 20~2000Hz (Standard:GB6587.5-86)					
Weight	240g(Except cable and connector)					
Optional: Temperature Compensation Accuracy @-10~65 °C @-40~85 °C	±0.2°				±0.3°	±0.5°

Dimensions (mm)



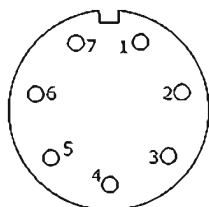
Binder 712 connector



Pigtail connector

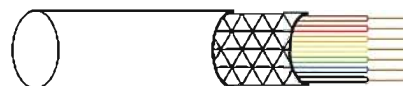
Wirings

Binder 712 connector



Pinning	
Pin	Function
1	Power+
2	Power/Signal GND
3	NC
4	Ioutx
5	Iouty
6	NC
7	NC

Pigtail connector



Pinning	
Color	Function
Red	Power+
Black	Power/Signal GND
Green	NC
Yellow	Ioutx
White	Iouty
Blue	NC
Brown	NC

Order

Model	Range	Accuracy@ 25 °C	Lead wire	Axis
PST152-5	$\pm 5^\circ$	$\pm 0.1^\circ$	Metal pigtail connector	2
			Binder™ 712 connector	
PST152-10	$\pm 10^\circ$	$\pm 0.1^\circ$	Metal pigtail connector	2
			Binder™ 712 connector	
PST152-15	$\pm 15^\circ$	$\pm 0.1^\circ$	Metal pigtail connector	2
			Binder™ 712 connector	
PST152-30	$\pm 30^\circ$	$\pm 0.1^\circ$	Metal pigtail connector	2
			Binder™ 712 connector	
PST152-45	$\pm 45^\circ$	$\pm 0.15^\circ$	Metal pigtail connector	2
			Binder™ 712 connector	
PST152-60	$\pm 60^\circ$	$\pm 0.15^\circ$	Metal pigtail connector	2
			Binder™ 712 connector	

Ordering Code:

PST152-xx-P : Pigtail cable 2 m
 -BC: Binder 712 connector

We are here for you. Addresses and Contacts.

Headquarter Switzerland:

Angst+Pfister Sensors and Power AG
Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:

Angst+Pfister Sensors and Power Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 00
sensorsandpower.de@angst-pfister.com

Office North America:

Angst+Pfister North America Inc.
10391 Brecksville Rd.
US-Brecksville, OH 44141
Phone +1 440 375-5212
info.apus@angst-pfister.com

Scan here and get an overview of personal contacts!



<https://sensorsandpower.angst-pfister.com/en/>
