

Smart Pressure Switch



1. Product Description

The PT300 intelligent pressure switch is an intelligent digital display pressure measurement and control product integrating pressure measurement, display, and output control. The product is a fully electronic structure, which measures and controls the pressure of the control system. The intelligent pressure switch is flexible to use, simple to operate, easy to debug, safe and reliable. Widely used in hydropower, tap water, petroleum, chemical, machinery, hydraulic and other industries to measure, display and control the pressure of fluid media

2. Technical Parameters

Parameter	Parameter Value	Parameter	Parameter Value
Measuring Range	-0.1~0-0.02~100MPa	Measurement Accuracy	≤±0.25%、0.5%FS
Stability	≤0.2% /year	Display Method	4-digit digital tube unit display
Type of pressure	Gauge pressure, absolute pressure, sealed gauge pressure	Display range	-1999~9999
Overload capacity	1.5times full scale	Maximum power consumption	≤1W
Power supply	15~36V.DC	PL	IP65
Switch load capacity	< 1.2A(24V.DC)	Output form	2 switch quantity (PNP/NPN)+ 4~20mA
Load resistance	≤(U-12)/0.02Ω		
Switch life	> 10years	Response time	≤5ms
Medium temperature	-40°C~85°C	Ambient temperature	-40°C~70°C
Relative temperature	0~95%	Storage temperature	-20°C~60°C
Temperature effect	Within the specific working temperature,the output change≤±0.05% of the range for every 10°C change in the ambient temperature		

3. Selection Guide

SERIES GUIDE	PT300	-	X	-	X	-	X	-	X	-	X	-	X
PRESSURE SENSOR TYPE	Guage		G										
	Absolute Pressure		A										
PRESSURE UNIT	BAR			B									
	Mpa			M									
	kPa			K									
RANGE	Pressure Range					X							
PROCESS CONNECTION	G 1/4						G 1/4						
	1/4 NPT						1/4 NPT						
	G 1/2						G 1/2						
	M20 X 1.5						M20						
	R 1/4						R 1/4						
	R 1/2						R 1/2						
	1/2 NPS						1/2 NPT						
OUTPUT	1 PNP + 4-20mA								H1				
	2 PNP Output								H2				
	2 PNP + 4-20mA								H3				
	1 NPN + 4-20mA								H4				
	2 NPN Output								H5				
	2 NPN + 4-20mA								H6				
ACCURACY	0.5% F.S.										X		
	0.25% F.S.										2A		
SPECIAL	Please consult for other special requirement.												XXX

4. Dimensions & Attention

