



UPB11 Welded Silicon Pressure Transmitter

Description

UPB11 full welded pressure transmitter is made based on silicon piezoresistive technology, The pressure sensor UPX19 with isolated stainless steel diaphragm is welded directly on the transmitter base. Full stainless steel welding construction, make the product to avoid the unreliable sealing problem due to medium incompatible with o-rings or O-ring aging.

This product has various output forms (including various analog models and RS485 digital signals etc.)

This product is widely used for pressure measurement and control of petroleum, chemical-industry, metallurgy, power station and hydrology, etc.

Features

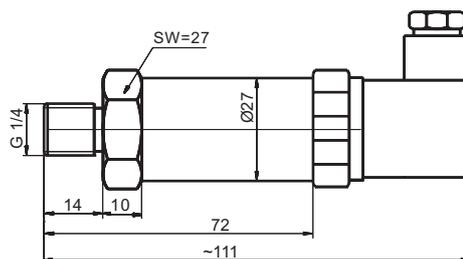
- Full welding construction, suitable for hard working conditions
- High performance, all solid, corrosion resistant
- Accept special customization
- Strong anti-interference ability, long - term stability



Specifications

pressure medium	gas or liquid compatible to stainless steel
pressure ranges	-1...0~0.1...1000bar
pressure type	gauge(G), absolute(A), sealed gauge(S)
overload pressure	150%FS
output signal	4~20mA, 0~5V, 0~10V, 1~5V, 0.5~4.5V
accuracy	0.1%FS, 0.25%FS(standard), 0.5%FS
load resistance	$R_L = (U - 12V) / 0.02A$ (4~20mA current output) U—loop voltage (V)
long-term stability	<0.2%FS/year
supply voltage	12~32VDC
compensated temperature range	-10~+70°C
operating temperature range	-30~+100°C
temperature coefficient of zero	0.2%FS/10°C
temperature coefficient of span	0.2%FS/10°C
process connection	G1/4 or others
electrical connection	hirschmann connector(DIN43650) or others
material of wetted part	1Cr18Ni9Ti
material of pressure membrane	316L
material of housing	1Cr18Ni9Ti
sealing	welded

Dimensions



Ordering code

UPB11						
	range	measuring range: -1...0bar~0.1...1000bar				
	(X1~X2)bar	X1: lower limit of actual measuring range, X2: higher limit of actual measuring range				
	code	pressure type				
	G	gauge				
	A	absolute				
	S	sealed gauge				
		code	accuracy			
		B	0.1%FS			
		C	0.25%FS			
		D	0.5%FS			
		code	output			
		O1	4~20mA			
		O2	0~5V			
		O3	1~5V			
		O4	0~10V			
		O5	0.5~4.5V			
		Oz	customer request			
		code	others			
		E1	hirschmann connector(DIN)			
		E2	aviation connector			
		E3	water-proof connector			
		E4	3m cable(lock nut)			
		Ez	other electrical connection			
		P1	G1/4			
		P2	G1/2			
		P3	1/4NPT			
		P4	M20×1.5			
		Pz	customer request			
		D1	4 digit LCD digital indicator			
		D2	4 digit LED digital indicator			
UPB11	(0~10)bar	G	C	O1	E1P1(D2)*	

*:The user determines whether to choose the options in the parenthesis according to the working site