

INDUSTRIAL PRESSURE TRANSMITTER

series THPB9, THIPB9



Specification:

THPB9 pressure transmitter uses high quality pressure sensors with isolated stainless steel diaphragm as sensing elements, it is tested by computer automatically and made laser trimming compensation for zero and sensitivity. The output of THPB9 is amplified to 4~20mA standard output by using special amplifier, simultaneously the output signal can be displayed through LCD indicator at working site. After long-term aging tests and stability tests, this product's performance is very reliable, it is suitable for the pressure measurement and control in bad working conditions, and presently widely used in petroleum, chemical industry, metallurgy, electric power etc.

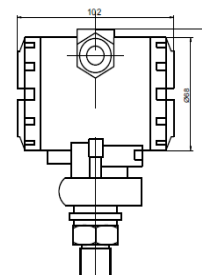
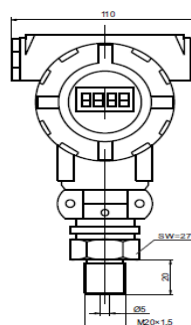
Description:

- 31/2 LED displaying at working site, simultaneously give 4~20mA signal output
- High performance-to-price ratio, high accuracy, long-term stability
- Electric shell is cast-aluminium material , IP65 protection
- Reversed protection, current limiting protection
- Anti-impact, the anti-attrition, the anti-corrosive
- Flush membrane and the tantalum diaphragm option

TECHNICAL PARAMETERS			
Pressure medium	gas or liquid compatible to stainless steel	Compensated temperature range	0~70℃
Pressure ranges	-1...0bar~0.1...600bar	Storage temperature range	-40~+100℃
Pressure type	gauge(G), absolute(A)	Process connection	G1/2, M20x1,5
Overload pressure	150%FS~300%FS(determined by measuring range)	Electrical connection	M20×1. 5(female thread)
output signal	4~20mA,0~5V, 0~10V, 1~5V 4~20mA HART / THIPB9	Material of wetted part	321
Accuracy	0.25%FS, 0.5%FS /standard/	Material of pressure membrane	316L
Load resistance	RL=(U-12V)/0.02A(4~20mA current output) U—loop voltage V	Material of housing	cast aluminium
Long-term stability	<0.2%FS/year	Sealing	fluoro-rubber sealing ring
Supply voltage	12~36VDC		

Order code:

THPB9					
	Range	Pressure type	Accuracy	Output signal	Others





THPB9, THIPB9(HART)					
	Range	measuring range: -1...0~ 0,35...600bar			
	(X1~ X2) bar	X1 – lower limit of actual measuring range X2 higher limit of (X1~X2)bar ,: actual measuring			
		Code	Pressure type		
		G	gauge		
		A	absolute		
			Code	Accuracy	
			C	0,25%	
			D	0,5%	
				Code	Output signal
				O1	4 ~20mA
				O2	0 ~ 5V
				O3	1 ~ 5V
				Oz	customer request
				Code	Others
				P2	G1/2
				P4	M20x1,5
				Pf	flange
				Pz	customer request
				I1	ATEX
				I2	flame proof
				M1	3-1/2LCD
				M2	3-1/2LED

THPB9	(-1~10)bar	G	D	O1	P2(I1M1)
	Range	Pressure type	Accuracy	Output signal	Others