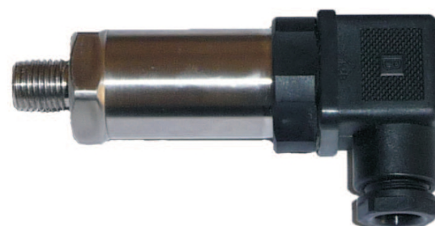


CERAMIC PRESSURE TRANSMITTER

series THPB3, THIPB3 (HART)



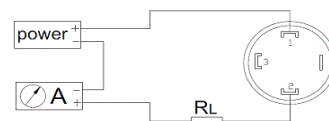
Specification:

THPB3 ceramic pressure transmitter is made integrated structure by using high quality thick-film ceramic sensors and special amplified circuits. The output of THPB3 is configured to 4~20mA current loop, or 0~5Vdc, or 0~10Vdc, or 1~5Vdc voltage signals. The pressure diaphragm of this transmitter is made from ceramic material, while its wetted parts is made from 316L stainless steel. Because of the thermal stability of ceramic and its thick-film resistance, the transmitter can be operated in a higher temperature range; at the same time, this also makes the zero & sensitivity thermal shifts over the whole operating temperature range of the transmitter is very small.

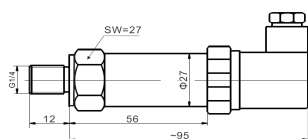
The compensated temperature range of THPB3 is 0~70°C. THPB3 is designed for use in most industrial application, and this product is suitable for measurement of most pressure medium (including corrosive medium) directly.

Description:

- Many measuring pressure range
- Wide application scope and long service life
- Automatic testing and laser trimming compensating zero & sensitivity
- High accuracy & long-term stability
- Good ability on anti-corrosion & anti-impact



TECHNICAL PARAMETERS			
Pressure medium	gas or liquid compatible with ceramic and stainless steel	Operating temperature range	-30~+95°C
Pressure ranges	0~1...200bar	Measured media temperature range	-40~+100°C
Pressure type	gauge(G), absolute(A)	Process connection	G1/4 ,1/4NPT, M20 x1,5
Overload pressure	150%FS	Electrical connection	DIN 43650 connector or others
Output signal	4~20mA, 0~5V, 0~10V, 1~5V 4~20mA HART / THIPB3	Material of wetted part	321
Accuracy	0.25%FS, 0.5%FS(standard)	Material of pressure membrane	ceramic
Load resistance	$RL = (U - 12V) / 0.02A$ (4~20mA current output) U—loop voltage (V)	Material of housing	321
Long-term stability	<0.2%FS/year	Sealing	n-Butyronitrile or fluoro-rubber sealing ring
Supply voltage	12~36VDC		



Order code:

THPB3						
	Range	Pressure type	Accuracy	Output signal	Process connection	Electrical connection



THPB3,THIPB3		Type					
		Range	measuring range: -0~ 1...200bar				
		(0~ X) bar	X: required measuring range				
			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		
				O4	0 ~ 10V		
				Code	Process connection		
				P1	G1/4		
				P3	1/4NPT		
				P4	M20x1,5		
				Pz	customer request		
				Code	Electrical connection		
				E1	DIN 43650		
				E2	aviation connector		
				E3	shielded PVC cable		
				Ez	customer request		

THPB3	(0-200) bar	G	D	O1	P3	E1
	Range	Pressure type	Accuracy	Output signal	Process connection	Electrical connection