

SANITARY PRESSURE TRANSMITTER

series THPB2, THIPB2 (HART)



Specification:

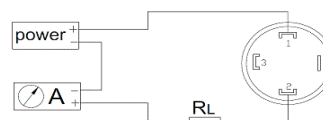
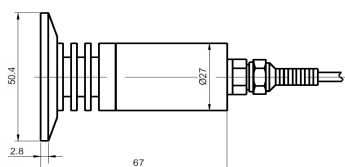
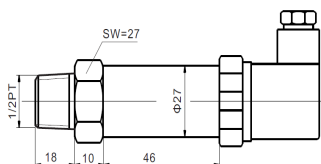
THPB2 sanitary pressure transmitter uses piezoresistive silicon chip as sensing element. THPB2 has clamping type, M21×1.5 thread type, and flange type for options. Its output signal can be made standard voltage

output signal, or, current output signal, or frequency output signal. This product is made with flush membrane structure, THPB2 has good ability on preventing fouling, crystallization and jamming of thick liquids. THPB2 is widely used in food, medicine, health and wine industry etc.

Description:

- Pressure ranges : -1...0~0.1...350bar
- Flush membrane structure without input pressure hole & cavity
- Automatic testing and laser trimming compensating
- High accuracy high strength, sanitary type, against fouling, dimensions can be customized

TECHNICAL PARAMETERS			
Pressure medium	gas or liquid compatible to stainless steel	Supply voltage	12~36VDC
Pressure ranges	-1...0~0.1...350bar	Operating temperature range	-30~+85°C
Pressure type	gauge(G), absolute(A)	Measured media temperature range	-40~+125°C
Overload pressure	150%FS	Process connection	G1/2 , G1/4, M12x1,5, M20x1,5, NTP1/2
Output signal	4~20mA, 0~5V, 0~10V, 1~5V 4~20mA HART / THIPB2	Electrical connection	DIN 43650 connector or others
Accuracy	0.25%FS, 0.5%FS(standard)	Material of wetted part	316 stainless steel
Load resistance	RL=(U-12V)/0.02A (4~20mA current output) U— loop voltage (V)	Material of pressure membrane	316L stainless steel
Long-term stability	<0.2%FS/year	Material of housing	stainless steel or aluminium alloy



Order code:

THPB2					
Range	Pressure type	Accuracy	Output signal	Process connection	Electrical connection

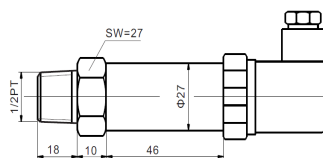


THPB2 - I	Type I	
THPB2 - II	Type II	
	Range	measuring range: -1...0~0.1...350bar
	(X1~ X2)	X1: lower limit of actual measuring range, X2: higher limit of actual measuring range
	Code	Pressure type
	G	gauge
	A	absolute
	Code	Accuracy
	B	0,1%
	C	0,25%
	D	0,5%
	Code	Output signal
	O1	4 ~20mA
	O2	0 ~ 5V
	O3	1 ~ 5V
	O4	0 ~ 10V
	Code	Process connection
	P2	G1/2
	P4	M20x1,5
	Pc	2"clamp
	Pz	customer request
	Code	Electrical connection
	E1	DIN 43650
	E2	aviation connector
	E3	shielded PVC cable
	Ez	customer request

THPB2	(0-200)bar	G	D	O1	P2	E1
	Range	Pressure type	Accuracy	Output signal	Process connection	Electrical connection



Type I (PT 1/2)



Type II (2"clamp)

