

CERAMIC CAPACITIVE MICRO- PRESSURE TRANSMITTER

series THPB10,THIPB10



Specification:

Based on ceramic capacitive technology, THPB10 micro-pressure transmitter is constructed of stainless steel, designed for micro-pressure measurement for corrosive media in harsh environments. Selecting high quality ceramic sensors and special amplifiers, THPB10 is designed integrated stainless steel structure, and small size with good stability and high anti-corrosive ability. This product can resist strong pressure impact, it is widely used for low pressure measurement and control in petroleum, chemical industry, hydrology, electric power etc.

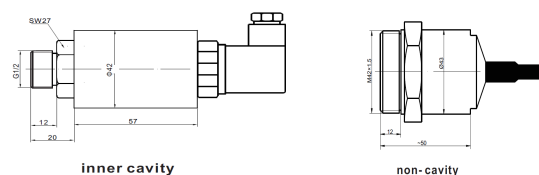
Description:

- Suitable for min. 0.5kPa pressure measurement
- Small profile, good ability on anti-attrition, good long term stability
- High overload pressure, resisting strong pressure impact
- Reversed protection, current limiting protection
- Good corrosion resistance

TECHNICAL PARAMETERS					
Pressure medium	gas or liquid compatible to stainless steel and ceramic			Supply voltage	12~30VDC
Sensor ranges	0~5kPa	0~10kPa	0~20kPa	Environment temperature range -	-30~70°C
Pressure ranges	-2.5...-0.5~-0.5...5kPa	-10...-1~-0...10kPa	0~2...20kPa	Medium temperature range	-30~+80°C
Pressure type	gauge(G), absolute(A)			Storage temperature range	-30~+85
Overload pressure	400kPa,600kPa(for range 20kPa)			Process connection	G1/2, M20x1,5, M42x1,5
Output signal	4~20mA 4~20mA HART / THIPB10			Electrical connection	DIN 43650 or others
Accuracy	0.5%FS, 1%FS /standard/			Material of wetted part and housing	321
Load resistance	RL=(U-12V)/0.02A(4~20mA current output) U—loop voltage V			Material of pressure membrane	ceramic
Long-term stability	<0.5%FS/year			Sealing	fluoro-rubber sealing ring

Order code:

THPB10					
	Range	Pressure type	Accuracy	Pressure port	Others





THPB10, THIPB10(HART)					
	Range	measuring range X1 lower limit of measuring range X2 higher I , limit of measuring range			
	(X1~ X2) kPa	Code	Pressure range		
		R1	-2,5...0,5 ~ 0,5....5kPa		
		R2	-10...-1 ~ 1...10kPa		
		R3	0 ~ 2...20kPa		
		Code	Pressure type		
		G	gauge		
		A	absolute		
			Code	Accuracy	
			D	0,5%	
			E	1%	
				Code	Pressure port
				P4	G1/2
				Px	M42 x 1,5
				Pz	customer request
				Code	Others
				E1	DIN 43650
				E2	Water-proof cable
				I	ATEX EX II CT6

THPB10	(-2~10)kPa	G	D	P4	E1I (I)
	Range	Pressure type	Accuracy	Pressure port	Others