

HIGH FREQUENCY RESPONSE PRESSURE TRANSMITTER

series THPB4, THIPB4 (HART)



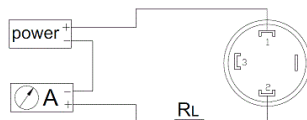
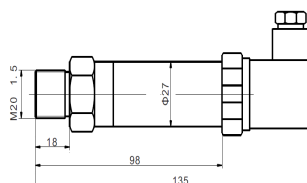
Specification:

THPB4 high frequency response pressure transmitter is made of THPB4 high frequency response and special amplifying circuit with high frequency characteristic, its frequency response characteristic has been decided by these two parts. THPB4 high frequency response pressure transmitter's dynamic frequency response is extremely high (max.1MHz), it may response to the lowest to zero frequency, highest to almost natural frequency, and the level rising time is only microsecond. The special-purpose amplifying circuit's natural frequency is also reach 1MHz(max.), the concrete resonance frequency concerns with its enlargement's multiple. THPB4 series pressure transmitter is suitable for dynamic pressure real-time measurement in the military engineering, melt exploding experiment, petroleum, oil well logging, the material, mechanics, construction engineering, soil and rock mechanics, wound medicine, hydraulic pressure power generator experiment, and in modernization instruments and meters etc.

Description:

- Based on MEMS silicon chips
- High accuracy high reliability
- Flush structure option, good dynamic frequency response
- Good long term stability

TECHNICAL PARAMETERS			
Dynamic frequency response	1 MHz max.	Long-term stability	<0.2%FS/year
Pressure medium	gas or liquid compatible to stainless steel	Power supply	12~32VDC
Pressure ranges	0~0,1...1000bar	Operating temperature range	-10~+80°C
Pressure typ	gauge(G), absolute(A)	Storage media temperature range	-40~+100°C
Overload pressure	≥200%FS	Process connection	M20 x1,5, G1/4, M12 x1
Output signal	0~5V and other voltage output signal 4~20mA HART/ THIPB4	Electrical connection	DIN43650 connector or others
Accuracy	0.1%FS, 0.25%FS, 0.5%FS(standard)	Material of wetted part	321
		Material of housing	321



Order code:

THPB4					
	Range	Pressure type	Accuracy	Output signal	Process connection
					Electrical connection



THPB4,THIPB4	Type								
	Range	measuring range: 0~ 0,1...1000bar							
	(0~ X) bar	X: high 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	0 ~5V or others				
					Code	Process connection			
					P1	G1/4			
					P4	M20x1,5			
					P6	M12x1			
					Pz	dle požadavku			
					Code	Electrical connection			
E1	DIN 43650								
E2	aviation connector								
E3	shielded PVC cable								
	Ez	customer request							

THPB4	(0-10)bar	G	D	O1	P1	E1
	Range	Pressure type	Accuracy	Output signal	Process connection	Electrical connection