

## CERAMIC CAPACITIVE PRESSURE TRANSMITTER

### series THPB11,THIPB11



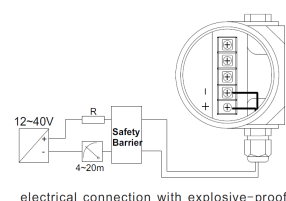
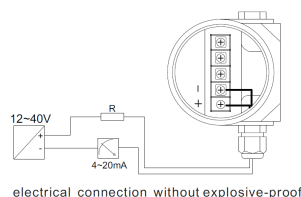
#### Specification:

THPB11 series ceramic capacitive pressure transmitters uses advanced ceramic capacitive sensor as sensing element. Coordinating high accuracy electronic components, THPB11 pressure transmitter are assembled through strict technological process. By using dry-type (without Intermediate liquid) pressure measurement technology, and heavy film electronic technology, as well as SMT (surface mounting technology) technology & PFM signal transmission technology, THPB11 series pressure transmitters have displayed the technical superiority of ceramic capacitive pressure transmitter fully, and also enables THPB11 have outstanding technical performances. THPB11 series ceramic capacitive pressure transmitters have been widely used in the industries such as petroleum, chemical, metallurgy, electric power, drugs manufacturing, food etc.

#### Description:

- Good ability of anti overload pressure and anti impact, small temperature drift
- Using imported ceramic capacitive sensor as sensing element, output signal is big, High combined error and good stability
- Wide pressure ranges from 5mbar to 1000bar, optional negative pressure range to positive range
- Good ability on anti-jamming, waterproof, dust-proof, quake-proof, explosive-proof, anti-corrosion
- Intrinsic safety EXIICT5

TECHNICAL PARAMETERS			
Pressure medium	gas or liquid compatible to stainless steel and ceramic	Environment temperature range -	-20~80°C
Pressure ranges	-1bar...0~5mbar...1000bar	Operating temperature range	-40~+85°C
Overload pressure	300%FS~10000%FS(determined by measuring ranges)	Measured media temperature range	-40~+125
Output signal	4~20mA, 0~5V, 0~10V, 1~5V 4~20mA HART/ THIPB11	Process connection	G1/2, M20x1,5
Accuracy	0.25%FS, 0,5%FS /standard/	Electrical connection	M20×1. 5(female thread) or 1/2NPT(female thread)
Load resistance	$RL = (U - 12V) / 0.02A$ (4~20mA current output) U—loop voltage V	Material of wetted part	316 stainless steel
Long-term stability	<0.2%FS/year	Material of housing	aluminium alloy
Supply voltage	12~36VDC	Protection	IP65



#### Order code:

<b>THPB11</b>						
Range	Pressure type	Accuracy	Output signal	Process connection	Material of wetted part	Others



THPB11, THIPB11(HART)									
	Range	measuring range: -1...0~0.005bar...1000bar							
	(X1~ X2) bar	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					
				O1	4 ~20mA				
				H	4 ~20mA HART protocol				
					Code	Process connection			
					P2	G1/2.			
					P4	M20x1,5			
					P9	flange typ			
					Pt	thread screwing in type			
					Pk	clamping type			
					Pq	quick screwing type			
					Pz	customer request			
							Code	Material of wetted part	
							A	321	
	B						316L		
	C	hastelloy-C							
	D	brass							
	Z	customer request							
			Code	Others					
			M0	withou display meter					
M2			Digital meter						
D1			ATEX						

THPB11	(0~200)bar	G	D	O1	P2	A	M0D1
	Range	Pressure type	Accuracy	Output signal	Process connection	Material of wetted part	Others