

JCBP Smart Direct Mounted Pressure Transmitter

JCBP Series pressure transmitters choose import capacitance type sensor, and diffusive silicon type or ceramics type pressure sensor with high quality as sensitive components, and employ application-specific integrated module, through fine temperature shift, zero and non-linearity compensation, to realize accurate measurement and transmission of medium pressure change of liquid, gas and vapor, etc.



FEATURES

Select hi-quality sensor and exclusive V/I integrated circuit, little peripheral device, high reliability, simple and easy maintenance.

little volume, slight weight, convenient installation and debugging

overall and sound design, respectively provide ordinary type, corrosion-proof, intrinsically safe explosion-proof type and isolation explosion-proof type

Aluminum die casting outer shell, tri-terminal isolation, hi-temperature baking lacquer protective cover, firm and durable

4~20mA DC two-wire system, strong interference-resistant ability, long transmitting distance

LED, LCD, pointer, the three kinds of indicating gauge head; convenient local reading

can be applied to measure viscous, crystallized and corrosive mediums

TECHNICAL TARGETS

Model	A1	B1
Accuracy	0.075% 0.1%F·S	0.25%F·S 0.5% F·S
Measuring range	-95kPa~60MPa	
Medium	Liquid, gas and vapor	
Storing temperature	-40C ~125C	
Operation temperature	-10C ~80C	-40C ~80C
Corrosion-proof material	316 SS	ceramics
Effect of temperature	< 0.02%/C	< 0.015%/C
Loading resistance	< 750 Ohm	
Overload ability	Triple span	double span
Mechanical protection	IP65	
Humidity	<=95% RH	
Output	Two wire 4~20mADC	fourwire0~10mADC
Related equipment	EXZ231B safety grid	
Weight	2.5 Kg	

MODEL SELECTION

A	S	Code	Name						
Analogue	Smart	JCBP	DirectMounted pressuretransmitter						
			Code	Design number					
			A	Diffusivesiliconsensor					
			B	Ceramicssensor					
			C	Capacitancesensor					
			Code	Pressure types					
			A	Absolutepressure					
			G	Gaugepressure					
			S	Sealgaugepressure					
			D	DifferentialPressure					
			Code	Local indication					
			1	No 0-100% uniform					
			2	scale 3 1/2 bit LCD 3					
			3	1/2 bit LED					
			4						
Code	Measuring range								
1	0~35kPa			6	0~2.0MPa				
2	0~100kPa			7	0~3.5MPa				
3	0~200kPa			8	0~7MPa				
4	0~350kPa			9	0~20MPa				
5	0~700kPa			0	0~60MPa				
Code	Accuracy								
A	0.1%F·S								
B	0.25%F·S								
C	0.5%F·S								
D	0.075%								
Code	Cable Entry								
1	M20× 1.5								
2	1/2 NPT								
3	Customer specify								
Code	Explosion-proof								
N	General purpose non-explosion proof								
I	Intrinsically safe								
E	Explosion separation								
	S	JCBP	A1	A	1	1	A	1	N

PROCESS CONNECTION

