



HH308 (Smart) Diffusive Silicon Pressure Transmitter

Series pressure transmitters choose import diffusive silicon type and 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



SPECIFICATIONS

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	4~20mA DC	four wire	0~10mA DC
Related equipment	EXZ231B safety grid			
Weight	2.5 Kg			



MODEL SELECTION

Analogue	Smart	AP308	Diffusive silicon pressure transmitter						
			Code	Design number					
			A1	Diffusive silicon sensor					
			B1	Ceramics sensor					
			C1	Capacitance sensor					
			Code	Pressure types					
			A	Absolute pressure					
			G	Gauge pressure					
			S	Seal gauge pressure					
			Code	Local indication					
			1	No					
			2	0-100% uniform scale					
			3	3 1/2 bit LCD					
			4	3 1/2 bit LED					
			Code	Measuring range					
			1	0~35kPa					
			2	0~100kPa					
			3	0~200kPa					
			4	0~350kPa					
			5	0~700kPa					
			6	0~2.0MPa					
			7	0~3.5MPa					
			8	0~7MPa					
			9	0~20MPa					
			0	0~60MPa					
			Code	Accuracy					
			A	0.1% F·S					
			B	0.25% F·S					
			C	0.5% F·S					
			D	0.075%					
			Code	Installation interface					
			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					
A	S	AP308	A1	A	1	1	A	1	N