



FH308 Smart Diffusive Silicon Pressure Transmitter

ONE. GERNERAL INFO.

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.

TWO. FEATURES

- employing 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

THREE. TECHNICAL TARGETS

Model	A1		B1
Accuracy	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	1 Kg		

FOUR. MODEL SELECTION

A	S	Code	Name			
Analogue	Smart	FH308	Diffusive silicon pressure transmitter			
			Code	Design number		
			A1	Diffusive silicon sensor		
			B1	Ceramics 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		
			Code	Installation interface		
			1	M20 × 1.5		
			2	1/2NPT		
			Code	Explosion-proof		
			N	General purpose non-explosion proof		
			I	Intrinsically safe		
			E	Explosion separation		