

Product description

The pressure series products produced by our company are based on MEMS technology and adopt advanced glass micro-dissolution technology, thus avoiding the influence of temperature, humidity, mechanical fatigue and media on the products, and enhancing the long-term stability of sensors (transmitters) in industrial environments.

The pressure chamber adopts A17-4PH stainless steel overall processing technology, without welding, "O" rings, and no leakage risks. The transmitter has built-in digital circuits with strong resistance to radio frequency and electromagnetic interference and automatic temperature compensation, and has the characteristics of strong anti-interference ability, wide working range, and good long-term stability.



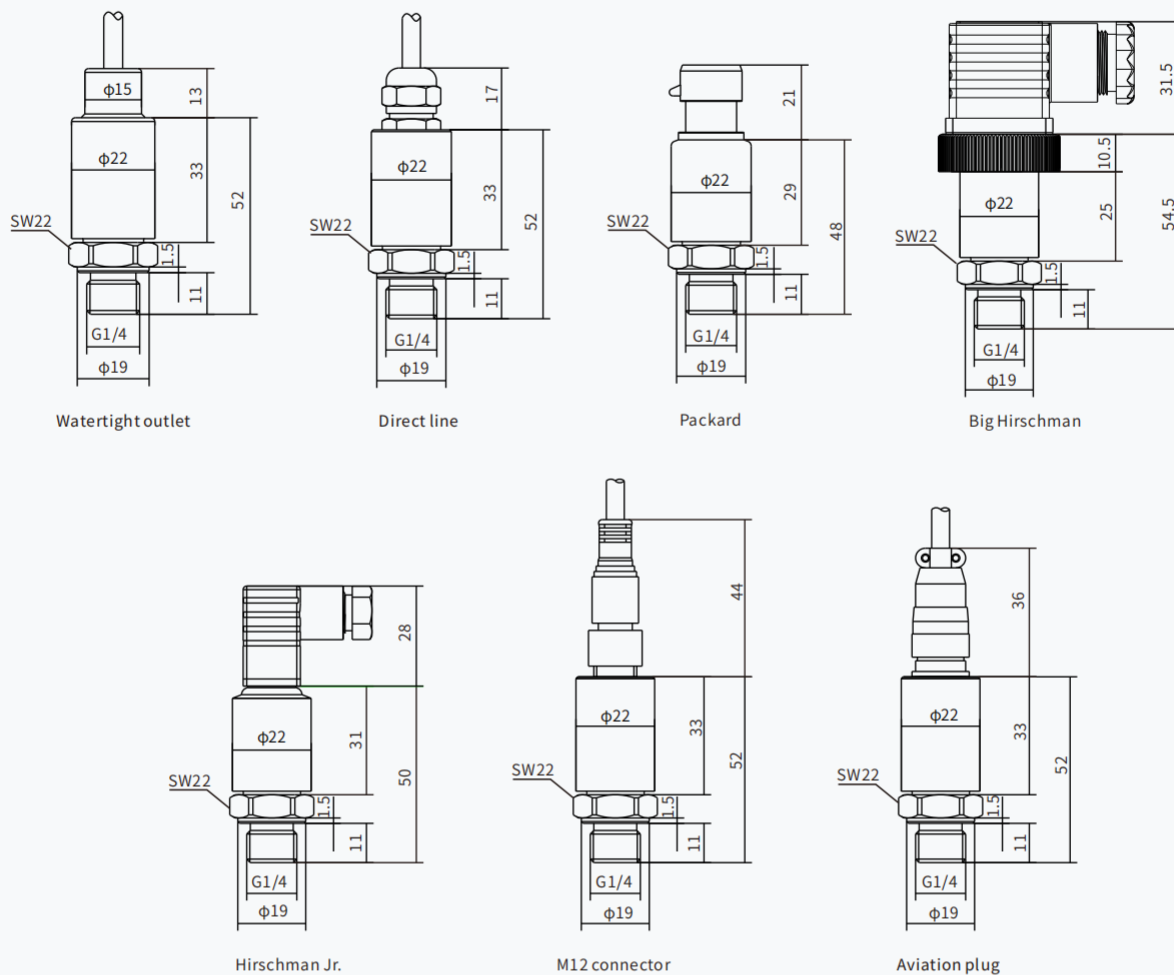
Features

- Easy installation and strong versatility.
- Efficient lightning protection, strong resistance to radio frequency and electromagnetic interference protection (transmitter).
- Protection against surges and polarity reversal (transmitter).
- Excellent resistance to impact, overload, vibration and corrosion.
- Advanced temperature digital compensation function, wide operating temperature range and other features.

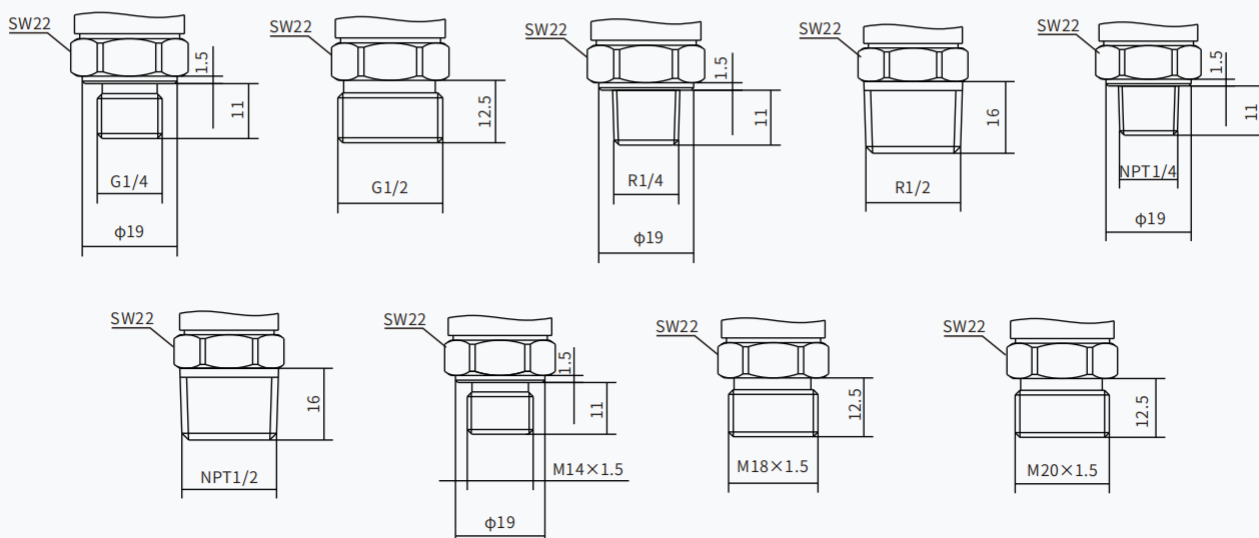
Performance

Range	0~6...600Bar (gauge pressure)			
Accuracy	$\pm 0.3\%FS, \pm 0.5\%FS$			
Signal line specification	2Wire	3Wire		
Output signal	4~20mA	0~5VDC	0.5~4.5VDC	0~10VDC
Supply voltage	9~30VDC		5VDC	15~30VDC
Medium temperature	-40°C~+85°C			
Storage temperature	-40°C~+125°C			
Temperature compensation	-20°C~+85°C			
Long-term stability	$\leq \pm 0.1\%FS/year$			
Allowable overload	300%FS			
Destruction pressure	500%FS			
Shock (11mS)	100g			
Zero temperature drift	$\pm 0.02\%FS/^\circ C$			
Full range temperature drift	$\pm 0.02\%FS/^\circ C$			
Pressure interface	M20*1.5, G1/4, NPT1/4 (customizable)			
Electrical connection	M12 connector, direct outlet, Packard connector, large/small Hirschmann (customizable)			
Protection level	IP65			
Material	17-4PH (probe) + 304 stainless steel electronic compartment			

Dimensions

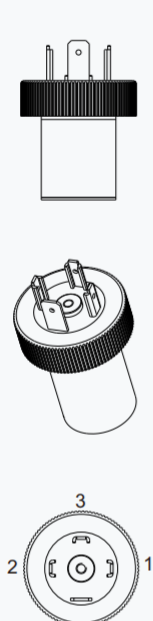


Process connection



Electrical connections

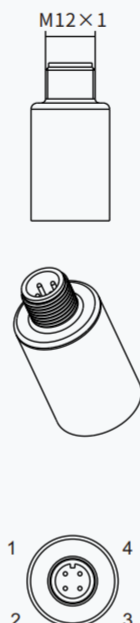
Big Hirschman



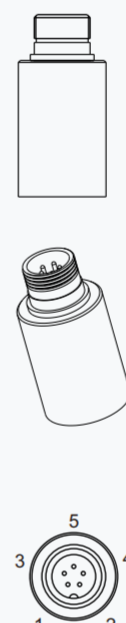
Packard



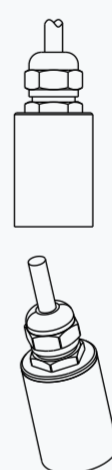
M12 connector



Aviation plug



Direct line



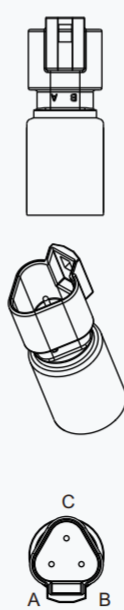
Hirschman Jr.



Two-core
AMP282104



Three core
DECH DT04-3P



Four-core DETC DT04-4P



Selection guide

Examples of pressure sensor models: FST800-211G222A-16B
 ① ② ③④⑤⑥⑦ ⑧⑨

- ① Product series model ② Product model code ③ Pressure type code ④ Accuracy code ⑤ Output/power supply code
⑥ Electrical connection code ⑦ Pressure connection code ⑧ Measuring range ⑨ Measurement unit code

FST800-	Company code + product series code												
	211-	Product model code											
		G-	Gauge								Pressure type		
		2-	±0.3%FS								Accuracy		
			3-	±0.5%FS									
		1-	0.5-4.5V/5VDC								Output/power		
			2-	0-5V/24VDC									
			3-	0-10V/24VDC									
			4-	4-20mA/24VDC									
		1-	2-	Large Hirschman (DIN43650B type PG11)								Electrical connections	
			2-	Packard connector									
			3-	M12 connector (four cores)									
			4-	Aviation plug connector									
			5-	Direct line									
			7-	Little Hirschman (PG7)									
			9-	Large Hirschman (DIN43650B type PG9)									
			A-	Two-core AMP connector (282104)									
			D-	Three-core DETC connector (DT04-3P)									
			E-	Four-core DETC connector (DT04-4P)									
			G-	Watertight direct outlet									
			J-	Direct outlet (no threaded explosion-proof connector)									
X-	Other												
1-	2-	NPT1/2 external thread								Process connection			
	2-	NPT1/8 external thread											
	4-	NPT3/8 external thread											
	5-	R1/2 external thread											
	6-	R1/8 external thread											
	8-	R3/8 external thread											
	A-	NPT1/4 external thread											
	B-	G1/2 external thread											
	C-	G1/4 external thread											
	E-	G1/8 external thread											
	F-	G3/8 external thread											
	G-	R1/4 external thread											

						H-	7/16-20UNF external thread	Process connection
						I-	M20X1.5 external thread	
						J-	M18X1.5 external thread	
						K-	M12X1.5 external thread	
							B- bar	Pressure unit
							P- psi	
							K- kPa	
							M- MPa	

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