

Pressure Transmitter PS 700

Full-plastic Chemical-type



PS700 is a pressure sensor with chemical type and plastic structure. It is a compact, economical, industrial-grade pressure measuring product. Integrated ASIC evaluated ceramic piezoresistive sensing unit, With high precision, corrosion resistance and other characteristics, Suitable for most corrosive media and harsh environments.

Easy installation and maintenance

- * Easy installation and maintenance
- * Plastic appearance structure, beautiful and corrosion resistant
- * Integrated mechanical and electrical structure
- * Electrical interfaces comply with international ISO standards
- * G thread Union joint, Quick installation

High safety performance

- * Protection level IP65
- * Ex explosion-proof product can be customized according to use requirements
- * Anti-corrosion liquid connection configuration, prevent leakage
- * Large size induction hole can prevent clogging

High Flexibility

- * Range: 0... 0.3bar, 0.6bar, 1bar, 2.5bar, 5bar, 10bar, 16bar
- * Material: PVC-U, PVC-C, PP, PVDF
- * Sealing material: EPDM, FPM, FKM
- * Connection size: G1-1/4, DN20
- * Connection criteria: DIN, JIS, ANSI
- * Different measurement ranges can be customized, including absolute pressure

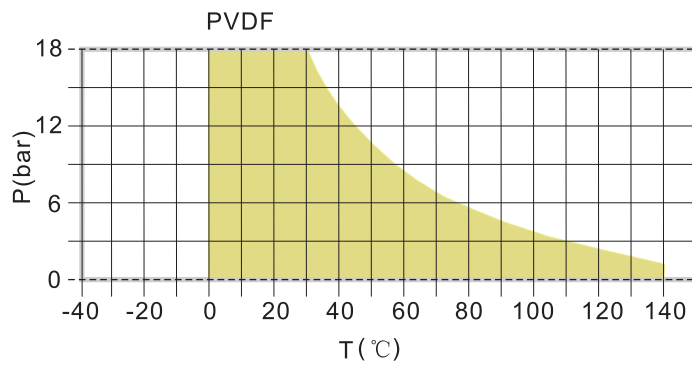
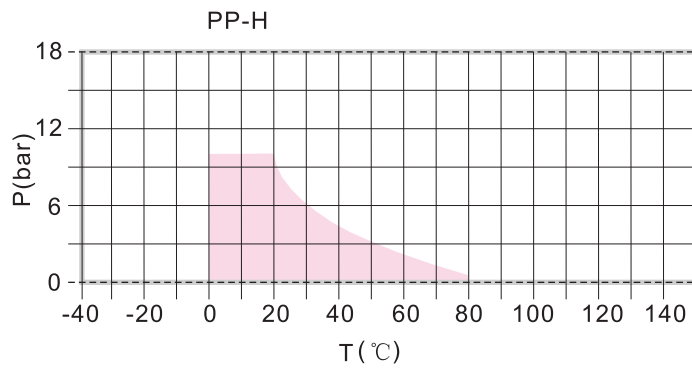
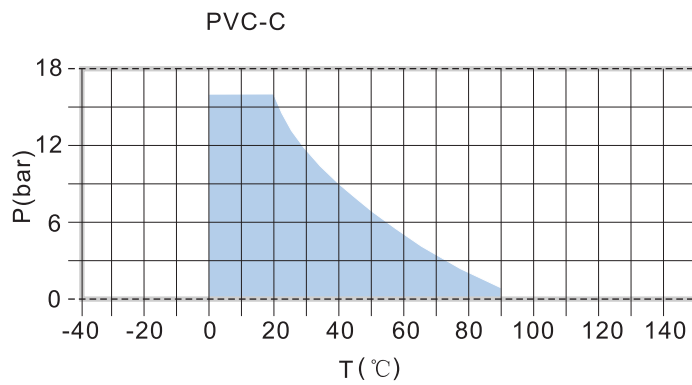
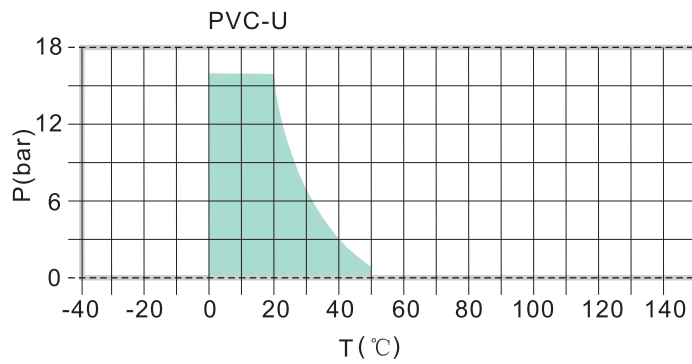
The best performance

- * Liquid junction diaphragm: AL203 96%
- * METALLUX high stability sensor unit is adopted
- * Temperature compensation for calibration of laser resistance adjustment process to ensure measurement accuracy
- * Accuracy: 0.25%, 0.5% FS
- * Overload: 200% FS
- * Output signal: 4...20 mA
- * Power range: 24V/DC
- * Wiring mode: 2-wire
- * Ambient temperature: -10... 80°C
- * Relative humidity: 20... 80%

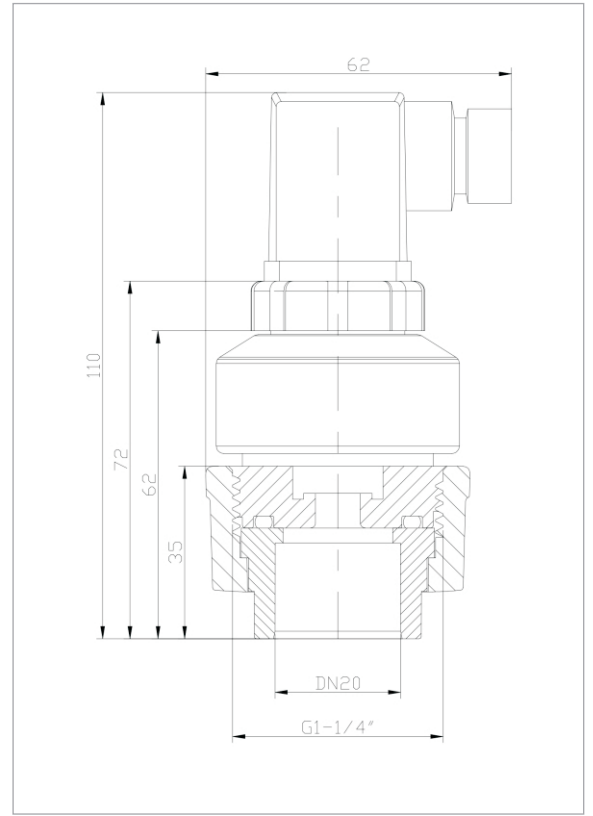
Technical characteristics

Pressure & temperature curve

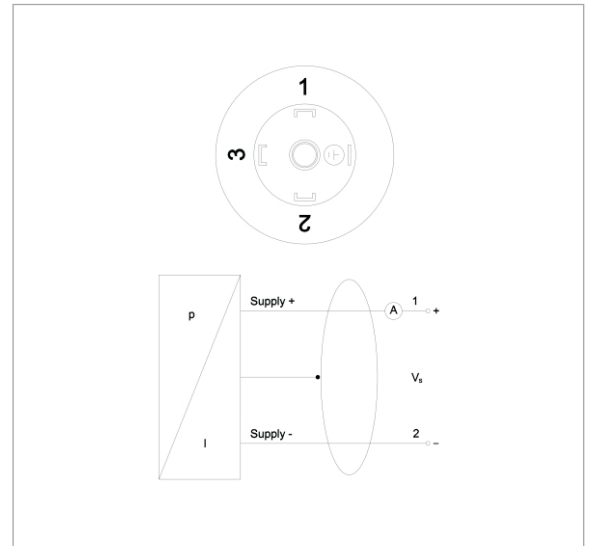
All data based on water for considering 25 years safe life time



Size data



Wiring diagrams



* When the electrical plug is absolutely sealed, the air guide cable should be used.

+ Ordering Code

Plastic body pressure transmitter

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Product series									
	7	0	0						
Body material									
PVC-U				0					
PVC-C				2					
PP				4					
PVDF				6					
Sealing material									
EPDM					1				
FPM					3				
FKM					4				
Accuracy									
0.25%						1			
0.50%						2			
Input									
0...0.3 bar							0		
0...0.6 bar							1		
0...1 bar							2		
0...2.5 bar							3		
0...4 bar							4		
0...5 bar							5		
0...6 bar							6		
0...10 bar							7		
0...16 bar							8		
Joint material and standard									
PVC-U Socket-DIN								0	
JIS								1	
ANSI								2	
PP Socket-DIN								3	
PP Spigot-DIN								4	
PVC-C Socket-DIN								5	
JIS								6	
ANSI								7	
PVDF Socket-DIN								8	
PVDF Spigot-DIN								9	
Connection size									
DN15, d20									20
DN20, d25									25

**contact**
customer center
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