

Ceramic Piezo-Resistance Pressure Transmitter

CS-PT1200 Series

Accuracy: $\pm 0.5\%$, $\pm 1\%$ F.S
 High stability, high reliability
 Ceramic sensors from Germany
 Digital calibration
 Customized electrical connections
 Multiple pressure ports
 Programmable range
 CE certification
 RoHs standard

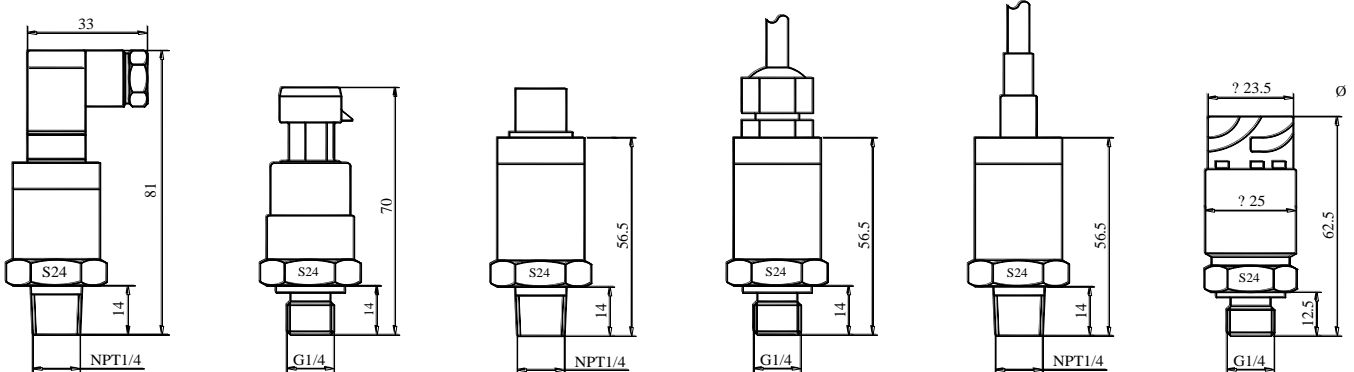
Applications:
 compressors
 building water supply
 hydraulic control
 air-conditioning equipment
 auto engine
 automatic detection system
 hydraulic unit
 refrigeration equipment



General Descriptions

CS-PT1200 series pressure transmitters are mass production and cost effective pressure transmitters for OEM requiring high quality and high reliable civil and industrial measurement. Widely used to measure pressure of air compressors, air-conditioning equipment, automobiles, and general industrial equipment, CS-PT1200 adopts 1Cr18ni9Ti stainless structure, high performance pressure sensors, and digital compensation technique on ASIC which provide CS-PT1200 an unmatched performance and price ratio. CS-PT1200 series of pressure transmitters have been approved with CE and RoHS certificates

Standard outputs, 4 to 20 m A, 0 to 5V, 0 to 10V and 0.5 to 4.5V are available. Customized process ports and electrical connections are ready to provide for a wide range of applications.



CS-PT1200A— m A output.
 CS-PT1200V—Voltage Output.
 CS-PT1200KX—for frequency water supply system.

Technical data

Items	Specifications		Remark
Measurement range	2bar...600bar		1bar=100kPa
Overload pressure	1.5 times rated pressure		
Failure pressure	3 times rated pressure		
Accuracy	±0.5, ±1%F.S		
Stability	Typical value: 0.5%F.S, Maximum value: 1%F.S		
Operating temp	-40°C~100°C		
Compensating temp	-10°C~80°C		
Reserve temperature	-50°C~125°C		
Medium compatibility	All corrosive medium compatible with 1Cr18Ni9Ti and ceramic.		
Electrical feature	Two-wire	Three-wire	
Signal output	4~20mA	0.5~4.5V	
Power supply	10~30Vdc	10~30Vdc/ac	Vdc/ac for dc and ac.
Load resistance	(U-10)/0.02(Ω)	>100KΩ	
Insulation	>100M Ω@50V		
Electrics connector	Packard, DIN 43650C, DIN72585, M12 series, Cable		
IP Rate	IP67		
Pressure Connection	G1/4, NPT1/4, 7/16-20UNF,		
Response time	10ms		
Pressure form	Gauge pressure: G, absolute pressure: A		
Certification	Intrinsic safety E, RoHS certification, CE certification		
Electromagnetic compatibility	Electromagnetic radiation: EN50081-1/-2; electromagnetic sensitivity: EN50082-2;		

Order Code

