Pressure and level transmitters

Ceramic Refrigerant Pressure Transmitter, Double O-Ring

Model CS-PT1200R

Ceramic resistance pressure transmitter for refrigeration, -0.5/0~10... 50bar gauge, with double-seal O-ring, anti-condensation design, 4~20mA output and IP67 protection.



Range
-0.5/0–10... 50bar Gauge

Output
4–20 mA

Protection
IP67

Supply voltage
8–30 VDC

Features

- Double seal O-ring, stress buffer
- Resists condensate water
- High burst pressure
- Packard Metri-Pack electrical connection
- 7/16-20 UNF-2A or 7/16-20 UNF -2B connection

Applications

Air source heat pumps, Air conditioning refrigeration units, Multi-couple units

Specifications

Performance

Pressure range	-0.5/0–10... 50bar Gauge
Accuracy at room temperature	±1.0% F.S. (include no-linearity, hysteresis, repeatability, and calibration error)
Total error band	±3.0%F.S
Long-term stability	±0.5%F.S / year (Typical)
Response time	(10%~90%) ≤10ms
Overload pressure	3X (Note 1)
Burst pressure	7X (Note 1)

Electrical

Output signal	4–20 mA
Power supply (u+)	8–30 VDC

Output load	≤ (U-8) / 0.025 Ω (MAX: 600Ω)
Over voltage	30VDC
Reverse voltage	-30VDC
Insulation resistance	≥ 100MΩ@100VDC
Insulate intensity	1500VDC@60S, no arc or breakdown
Electrical connection	Packard Metri-Pack

Environmental

Working temperature	-35–105°C, but can't beyond the temperature of seal material
Storage temperature	-40°C~105°C
Vibration	10g, 5–2000Hz
Shock	20g, 11ms half-sine

EMC

ESD	Contact: ±4kV, Air: ±8kV
RS	10V/m (80MHz~1GHz)
PMS	30A/m

Mechanical

Pressure connection	7/16-20 UNF-2A or 7/16-20 UNF-2B
Ingress protection	IP67
Sealing materials for wetted part	CR (default)
Housing material	SS304 (default)

Notes

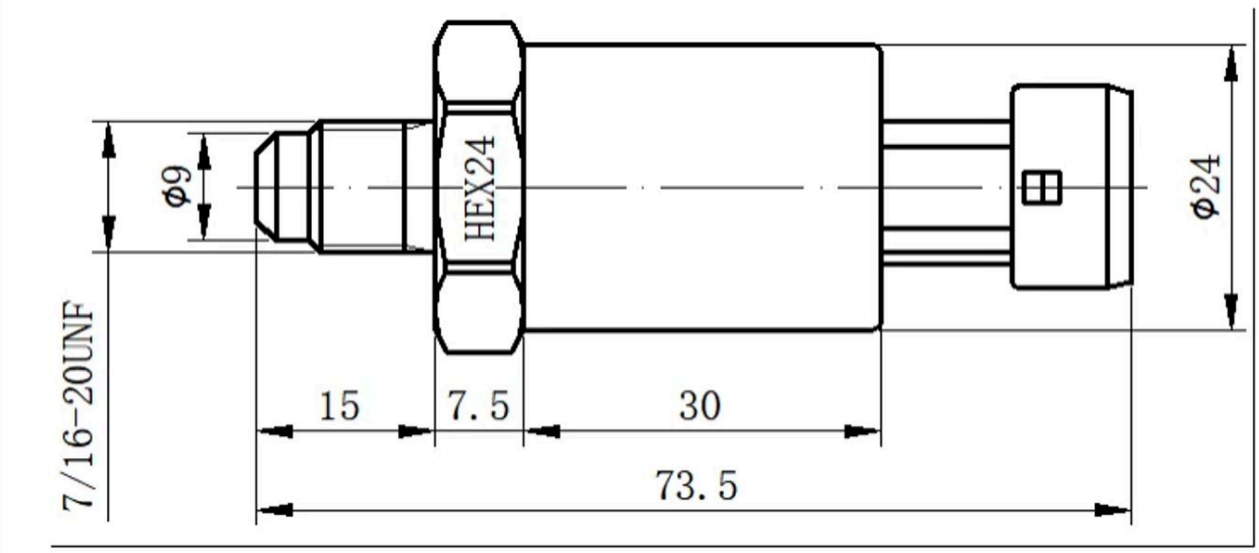
Note 1	For high cost performance products, overload pressure will be 1.5X and burst pressure 2X; other parameters are the same.

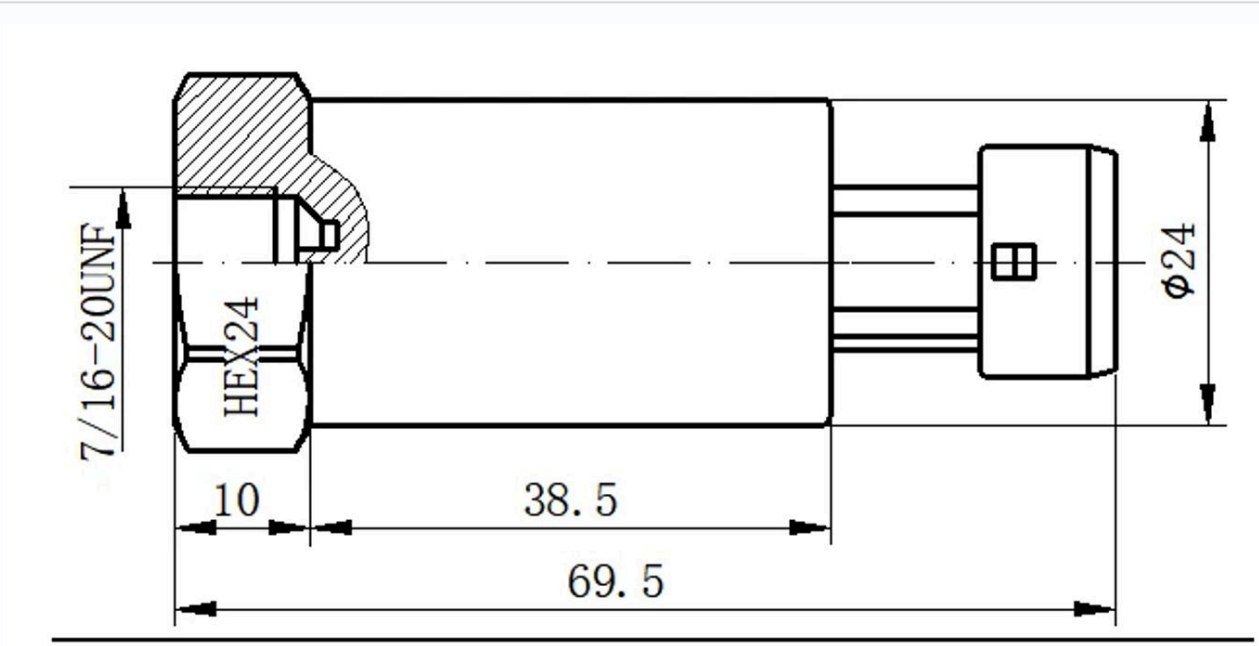
Ordering and support

Pricing, samples, lead time and custom versions: dwinsales@163.com, +86 181 0280 8901.

Guangzhou Dwin Technology Co., Ltd., 4th Floor, Building 2, No. 4 Xingye Road, Xiaowu Second Industrial Zone, Dongyong Town, Nansha District, Guangzhou, China. Specifications are typical values and may change without notice; confirm critical values with DWIN before design-in. Revision 2026-11.

Dimensions and wiring





Drawings are for reference. Dimensions in millimetres unless stated.