

Features

- Anti-frequency interference design, particularly suitable for use with inverters and variable frequency pumps
- Good long-term stability and high accuracy
- Diffused silicon sensor is used as pressure sensitive element with high sensitivity. pressures from -1 up to 600 bar.
- 304SS with DIN, cabled or M12 electrical connections

Universal pressure transmitter adopts compact structure and digital circuit design, which makes the external shape smaller, more convenient to install, and beČer electrical compatibility.

The transmitter adopts a special anti-frequency conversion interference circuit to ensure the stability of output signals and long-term durability.

The transmitter is precisely temperature-compensated in a wide ambient temperature range of -10 - 70° C to provide minimal drift and good long-term stability.

This pressure transmitter can be matched with various inverters, air compressors, automated production lines, and self-conveyed equipment.

RS PRO Pressure Transmitters

RS Stock No.: 0848918



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Applications

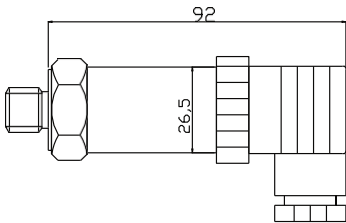
- Industrial hydraulics
- Water pipe network
- Machinery & equipment
- Automated production line

Technical Data

Measuring Ranges	Gauge: -100kPa up to 60Mpa (-1 bar up to 600 bar) Absolute pressure: 0-10kPa...100kPa. 2.5MPa (0.1 bar up to 25 bar)
Overload pressure Response	≤10MPa = 200% ; > 10 MPa = 150%
Time	≤5ms
Accuracy	0.5%FS
Long-term stability	Typical: :1: 0.25%FS/year
Zero temperature drift	Typical: :1: 0.02%FS/°C, Max: :1: 0.05%FS/°C Typical: :1: 0.02%FS/°C,
Sensitivity temperature drift	Max: :1: 0.05%FS/°C
Supply	12-28VDC (Standard 24VDC)
Output	4-20mA / 0-5V / 0-10V / 0.5-4.5V
Operation temperature	-40-80°C
Compensation temperature	-10-70°C
Storage temperature	-40-100°C
Electrical protection	Anti-reverse protection, anti-frequency interference design
IP rating	IP65 (DIN), IP67 (cable or M12)
Measurement medium	Gas or liquid compatible with 316L stainless steel
Pressure connection	M20x1.5, G1/4", G1/2", 1/4", 1/2" NPT
Connector material	304

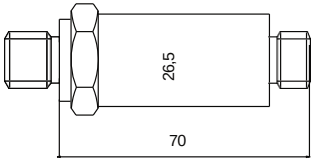
Technical drawings

A (DIN plug)



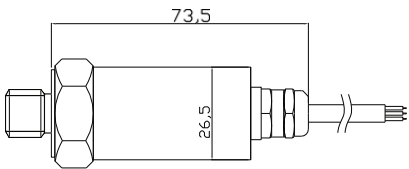
Pin assignment	4 ... 20 mA (two wires)	Voltage (three wires)
	1 + V / signal + 2 - V / signal - 3 free	1 + V 2 - V / signal - / GND 3 Signal +

C (4 pin M12x1)



Pin assignment	4...20 mA (two wires)	Voltage (three wires)
	1 + V / signal + 2 free 3 - V / signal - 4 free	1 + V 2 free 3 - V / signal - / GND 4 Signal +

B (1m long cabled)



4...20 mA (two wires)	Red = +V / signal + Black = -V / signal -
Voltage (three wires)	Red = +V Black = GND Green = signal

Ordering Codes

0848918	RS PRO stainless steel pressure transmitter. 0...10 bar range. 0.5%FS accuracy. 4-20mA 2 wire signal. G1/4" BSP male. DIN electrical connector.
0848920	RS PRO stainless steel pressure transmitter. 0...40 bar range. 0.5%FS accuracy. 4-20mA 2 wire signal. G1/4" BSP male. DIN electrical connector.
0848921	RS PRO stainless steel pressure transmitter. 0...100 bar range. 0.5%FS accuracy. 4-20mA 2 wire signal. G1/4" BSP male. DIN electrical connector.
0848922	RS PRO stainless steel pressure transmitter. 0...250 bar range. 0.5%FS accuracy. 4-20mA 2 wire signal. G1/4" BSP male. DIN electrical connector.
0848923	RS PRO stainless steel pressure transmitter. 0...400 bar range. 0.5%FS accuracy. 4-20mA 2 wire signal. G1/4" BSP male. DIN electrical connector.
0848924	RS PRO stainless steel pressure transmitter. 0...600 bar range. 0.5%FS accuracy. 4-20mA 2 wire signal. G1/4" BSP male. DIN electrical connector.