

PRESSURE TRANSMITTER

SP Series



★FEATURE

- * Auto-tracing compensation for zero-area pressure(<0.15%F.S.)
- * Field-temperature compensation function(-25 to +85°C)
- * Compact size for easy installment
- * Pressure type: gaugeabsolute
- * Pressure range: -1~250 bar
- * Output signal: 4-20mA (2-wires)
- * Accuracy: 0.5% FS / 0.25% FS
- * Load resistance: 1K ohm
- * Media temperature range: -25~85°C
- * Thick film strain gage on ceramic and stainless steel(SUS316))
- * Response time <5milli seconds
- * Temperature influence: TK < 0.02%FS/K
- * Protection class NEMA4/IP65



★TYPICAL APPLICATIONS

- Machine installations
- Environmental monitoring
- Water Management
- Heating and ventilation
- Industrial process control
- Food industry
- Pump and Compressors
- Refrigerant
- Level / Depth Instrumentationref
- Test and calibration systems
- Pneumatic and Hydraulic Controls
- Agricultural Chemical Controls

★SPECIFICATION

Performance

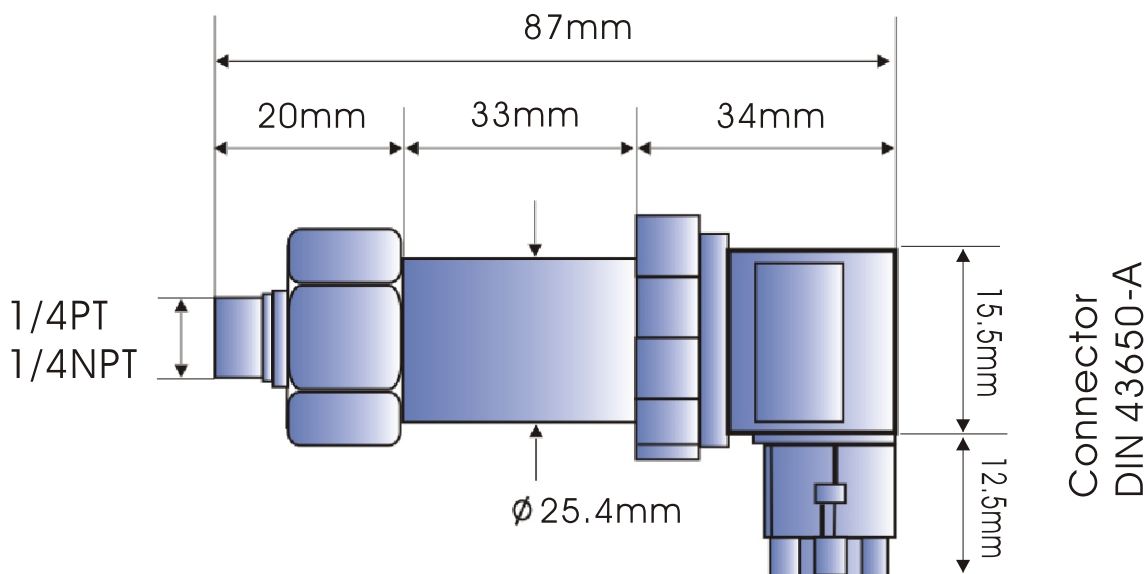
Pressure range: -1...250bar
Sensor element: Ceramic material
Over pressure: 0...400 bar
Accuracy: +/- 0.5% FS & +/- 0.25%
Pressure Port: 1/4"PT,1/4"NPT

Environmental:

Working temperature range: -25~85°C
Working humidity range: 0~95%RH
Environmental temperature range: 0~55
Environmental temperature range: 0~95%RH

Electrical

Supply voltage: 10...30VDC
Supply Power: <15mA
Output signal: 4...20mA(2-wires)
Load resistance: <1K ohm
Voltage influence:0.25% FSO
Repeatability:<-0.2% FSO
Stability:-0.2%FSO/year
Sensitive:0.005% FSO/
Thermal zero shift :0.012% FSO/



ORDER

TERMINAL CONNECTION

MODEL:

SP-

4-20mA(Two wire)

Pressure Type

G Gauge
A Absolute

Pressure Range(Bar)

X102	-1..... 0
1001	0 1.0
1601	0 1.6
2501	0 2.5
4001	0 4.0
6001	0 6.0
1002	0 10
1602	0 16
2502	0 25
4002	0 40
6002	0 60
1003	0 100
1603	0 160
2503	0 250

Accuracy

A +/- 0.5% FS
B +/- 0.25% FS

Pressure connection

1 1/4 PT
2 1/4 NPT
9 Customer

Connector

