

PU/PD DIAPHRAGM PRESSURE TRANSDUCERS

FEATURE

- Measurement of gauge pressure with high accuracy 0.25%
- Modularity of electrical and hydraulic connections with stainless sealed
- Highly resistant to process conditions
- Low cost & high stability

APPLICATION

pneumatic compressors, hydraulic systems, pump monitoring, oil field equipment and control systems



TECHNICAL DATA

- **Measurement Range:** Silicon sensor: 0~250/~400/~1000bar with diaphragm or outside diaphragm
- **Overload:** 2.0 x measuring range;
- **Rupture Pressure:** 2.0 x measuring range
- **Output Signal:** 2 wired: 4~20mA
- **Accuracy:** Linearity: $\leq \pm 0.25\%$ FS
Hysteresis: $\leq \pm 0.2\%$ FS
Zero point at voltage output: < 50 mV
- **Zero thermal drift:** $\leq \pm 0.012\%$ FS/°C
- **Zero Adjustment:** $\leq 10\%$ of F.S.
- **Span Adjustment:** $\leq 10\%$ of F.S.
- **Response Time:** ≤ 5 msec
- **Load Cycle:** ≤ 50 Hz

Power

- **Power Supply:** 8 ~ 32 Vdc for 2 wire Loop powered
24 Vdc for 3 wired powered
- **Maximum Input Current:** ≤ 15 mA
- **Load Impedance:** $\leq 1000 \Omega$
- **Current Consumption:** ≤ 20 mA

Environmental

- **Operating temperature:** Standard: -20°C ~ 70°C
Option: -25°C ~ 100°C
- **Operating relative humidity:** $\leq 95\%$ non-condensing
- **Temperature coefficient:** ≤ 100 PPM/°C (0~50 °C)
- **Storage temperature:** -20~70 °C
- **Enclosure:** IP65 (DIN connector)
- **Vibration resistance:** 1.5 mm (10~55 Hz), 20g

Electrical safety

- **Dielectric Strength:** AC 2.0KV for 1 min between Output / Metal parts
- **Insulation:** $\geq 100M$ ohm
- **EMC:** EN50082-1, EN50082-2
EN50081-1, EN50081-2

Mechanical

- **Materials of Housing:** Standard: Stainless Steel 304
Option: Stainless Steel 316

- **Materials of Wetted parts:** Stainless Steel 316 sealed, with silicon oil
- **Pressure Connection:** Outside thread: NPT 1/4", 3/8", 1/2";
PT 1/4", 3/8", 1/2"; PF(G) 1/4", 3/8", 1/2"
- **Electrical Connection:** DIN connector 43650-A
- **Weight:** About 300 g

ASSESSORY

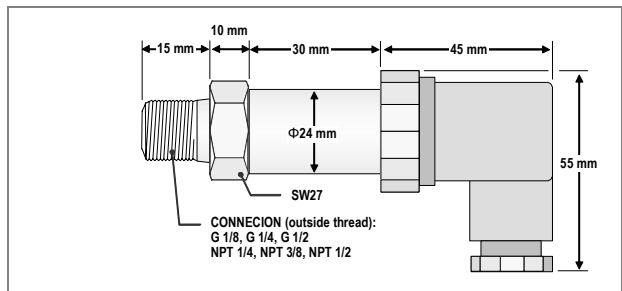
2 WIRED FIELD INDICATOR



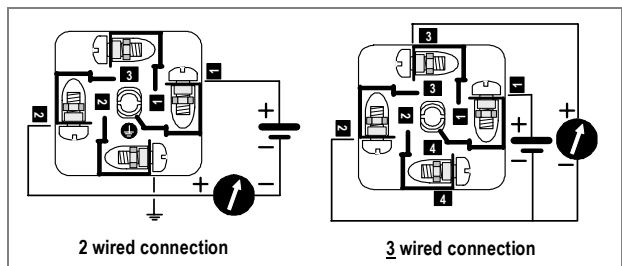
Please refer to the page EP-01 for detail specification.

- **Display:** 0~9999(Programmable)
 - **Alarm Output(option):** 2 points; Open collect
 - **Connection:** DIN connector 43650-A
 - **Power Drift:** $\leq 4.5V$, 3mA
- FILTER**
Model Number: PS FILTER-
Please contact with our sales dep.

DIMENSIONS



CONNECTION



ORDERING INFORMATION

