

Compact OEM Pressure Transmitter Heavy Duty Model 3310



Applications

- Mobile hydraulic, presses
- General mechanical engineering

Characteristics

- Stainless steel sensor, welded
- Nominal pressure ranges from 0 ... 16 bar up to 0 ... 1000 bar
- Accuracy according to IEC 60770: 0.5 % FSO



Technical Data

Measuring ranges

0...16bar up to 0...1000bar

Measuring accuracy

Deviation from the characteristic curve according to IEC 60770
– limit point calibration (non-linearity, hysteresis, repeatability):
≤ ±0.5 % FSO

Overpressure safety

≤ 400 bar at least 2 x FS
(burst pressure at least 5 x FS)
≥ 600 bar at least 1.5 x FS
(burst pressure at least 3 x FS)

Operating temperature range

Medium: -40...125 °C
Ambient: -40...85 °C
Storage: -40...85 °C

Temperature error band

In compensated range
-20...85 °C ≤ 0.2 % FSO/10 K

Long term stability

≤ ± 0.2 % FSO / year at reference conditions

Dynamic characteristics

Response time < 2 ms

Process connection

G $\frac{1}{4}$ A (DIN 3852-E)

Materials

Housing: Stainless steel 304 (1.4301)

Pressure connection:

≤ 600 bar: stainless steel 316L (1.4404)

> 600 bar: stainless steel 17-4 PH (1.4542)

Seal: FKM

Supply voltage

DC 10–30 V

Output signal

4–20 mA, 2-wire

Load

$R_{\max} \leq [(U_B - U_{B\min}) / 0.02 \text{ A}] \Omega$
 $I_{\max} < 25 \text{ mA}$

Electrical protection

Short circuit proof and protected against reverse polarity

Mechanical stability

Vibration: 20 g, 25 Hz...2 kHz DIN EN 60068-2-6

Shock: 500 g / 1 msec DIN EN 60068-2-27

Operational life

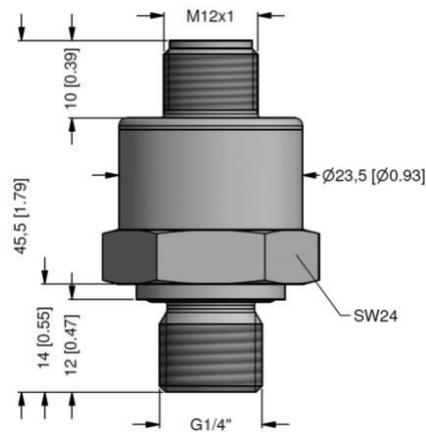
100 million load cycles

CE-conformity

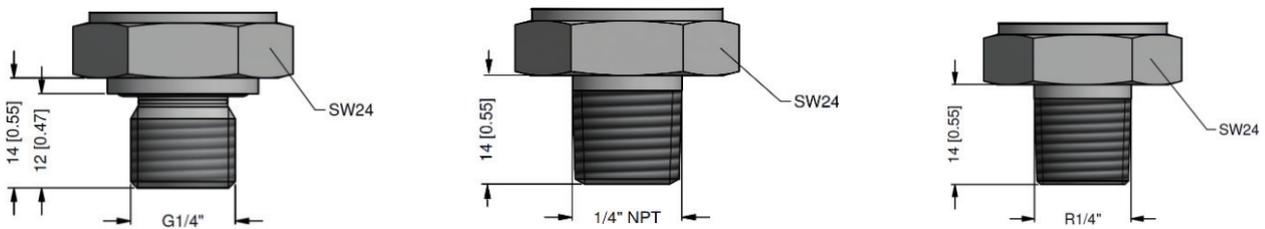
EMC Directive: 2014/30/EU

Dimensions in mm / in

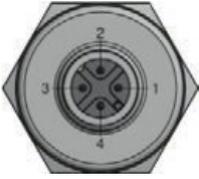
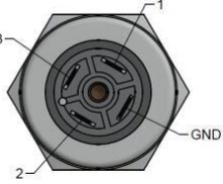
Pressure transmitter



Process connections



Electrical connection

Electrical connection	male plug M12x1 (4-pin), metal IP67	male plug Micro (contact distance 9.4 mm) IP67
		
Supply + Supply -	1 3	1 3
Shield	plug housing	plug housing

Order details

1. Model
2. Measuring range
3. Output signal
4. Process connection
5. Options