

Piezoresistive pressure transmitter

The TP488 general pressure transducer is formed by an OEM sensor housed in a stainless steel housing which gives it great resistance in gaseous or liquid media



Application:

- Petrochemical industry
- Powerplants

PARÁMETROS ESTÁNDAR

Pressure type: **Relative** or **Absolute** Pressure range: **0...1000 bar**

Accuracy: $\pm 0.5\%$ full scale (FS) Stability: $< \pm 0.3\%$ FS/year

Thermal compensation: 0...50°C

Coefficient at 0°C: Typ: $\pm 0.1\%$ FS/°C (<1bar) / MAX: $\pm 0.05\%$ FS/°C (>1bar)

Output signal: 4~20mA DC (2 wires)

Resistance: $< U-12 / 0.02(\Omega)$

Power supply: 12~28V DC

Electrical connection: DIN43650

Connection threads: $\frac{1}{4}"$ BSP, $\frac{1}{2}"$ BSP or M20x1.5

Limits of use

Overpressure: 1.5 times FS

Work temperature: -20...80°C

Storage temperature: -40...100°C

Humidity: 95% HR

Breaking pressure: 2 times FS

IP protection: IP65

Vibration: 10g

Shock: 100g/11ms

Standard	Overpressure	Break
0...0.2 bar	1.5	2
0...0.4 bar	1.5	2
0...0.6 bar	1.5	2
0...1 bar	1.5	2
0...1.6 bar	2.4	3.2
0...2.5 bar	3.75	5
0...4 bar	6	8
0...6 bar	9	12
0...10 bar	15	20
0...16 bar	24	32
0...25 bar	37.5	50
0...40 bar	60	80
0...100 bar	150	200

MATERIALS

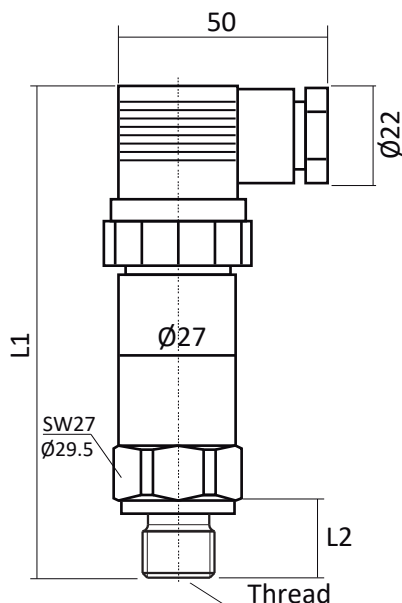
Body: Stainless steel 1Cr18Ni9Ti

Membrane: Stainless steel 316L upper body welded

Connection: Stainless steel 1Cr18Ni9Ti

Washer: Viton

Dimensions in mm



Thread	L1	L2
G $\frac{1}{4}$	15	112
G $\frac{1}{2}$	18	115
M20x1.5	15	112

Connection diagram

4 pins according to DIN 43650

