



Pressure Transmitter Model PT2000

- Complete stainless steel thinfilm sensor
- without internal transmission fluid
- Accuracy 0.5% and 0,25 % F.S.

Applications

- Machine- and apparatus construction
- Fluid power
- Automation
- Refrigeration- and air conditioning

Features

- Rugged stainless steel construction
- Resistant to pressure peaks
- High shock and vibration stability
- Insensitive to temperature shocks
- Good long term stability
- Protection IP65 or IP68
- Intrinsically safe acc. ATEX

Ranges

- 1 ... 0 bar up to 0 ... 1600 bar
- 30 in. Hg ... 0 psi up to 0 ... 20.000 psi



Technical specifications	
Measuring principle Range [bar] Overpressure limit [bar] Burst pressure Pressure type	Internal thinfilm sensor without transmission fluid, signal processing by programmable precision CMOS ASIC with EEPROM data storage and analogue signal path -1/0 , -1/5 , -1/25 , 0.6 , 1 , 1.6 , 2 , 4 , 6 , 10 , 16 , 20 , 25 , 40 , 60 , 100 , 160 , 250 , 400 , 500 , 600 , 1000 , 1600 2 times -'2E 350 bar, 1,5 times -'2E 700 bar, 1,2 times > 700 bar; with ATEX approval 1,5 times -'2E 500 bar, 1,2 times > 700 bar 3 times F.S., 1,5 times F.S. for ranges > 400 bar Gauge, vacuum or compound
Process connection	¼ NPT male according ANSI/ASME B1.20.1 (max. 1000 bar) G ¼ A form E male according DIN 3852 Part 11 Form E (max. 600 bar) others on request
Material Process connection Sensor Case	Stainless steel 316 L (1.4404) Stainless steel 316 L (1.4404) Stainless steel 316 L (1.4404)
Power supply Output signal	12 - 30 VDC 4 - 20mA (2-wires)
Maximum loop resistance for 4 ... 20 mA	$\varnothing (U_B - 12 \text{ V}) / 0,02 \text{ A}$
Isolation between case and electrical connection Isolation voltage Supply current	> 100 M Ω at 50 VDC 500 VAC 20 mA for 4 ... 20 mA output
Electrical connection	4 PIN angle connector according DIN EN 175301-803, round connector M12 with M12x1 thread, optional cable connection
Protection acc. EN 60 529/IEC 529	IP65, optional IP68
Accessories, options	Valves, digital indicator, Siphon