

TP53 - REFRIGERATION PRESSURE TRANSMITTER

Pressure transmitters for refrigeration, anti-condensation technology.

Fluid temperature -25 ... 85 ° C.

Process connection 7/16UNF F or 1/4" BSP M

Body AISI304

Accuracy class 0.5% on request 0.25%

Range 0 ... 0.1 to 0 ... 100 bar

Output 4/20 mA std, on request 0/5V and 0/10V

Body diameter 27 mm.



Applications:

- Refrigeration systems
- Air conditioning systems
- Process controls
- Pneumatic
- Laboratories

DESCRIPTIONS

Work range bar	Permissible operating pressure PB bar	Compensated temperature range °C
-1...5	22	-30...40
-1...6	22	-30...40
-1...9	22	-30...40
-1...12	22	-30...40
-1...20	40	0...80
-1...34	40	0...80
0...16	40	0...80
0...25	40	0...80

TECHNICAL SPECIFICATIONS

Segnale standard:	4...20 mA
Refrigerants:	R 12, R 22, R 134a, R 502 etc.
Power supply:	10 ... 30 VDC, protected against reverse polarity
Max impedance load:	(V-10)/0.02 Ω
Ambient temperature:	-40...+80°C
Temperature range:	-30...+40°C, 0...+80°C (see table)
Temperature influence:	<0.04% full scale/°C (zero drift) <0.04%/°C (full scale drift)
Linearity:	+/-0.2% full scale
Accuracy (repeatability and hysteresis):	+/-0.1% full scale
Stability over time:	+/-0.5% full scale /year
Vibration:	20 g/2 kHz to IEC 68-2-6
Shock:	1000 g/0.7 ms to IEC 68-2-29
HF interferences:	10 V/m, 150 kHz...1GHz: < 0.5% f.s.
Insulation class:	> 100 Mohm, 500 Vca, 50 Hz
Protection:	IP65 AMP terminals, IP67 with cable, IEC 529
Process connection:	ISO 288/1 G 3/8" M Thread



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