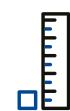


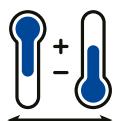
Pressure Sensor PV-10 Series



Maximum minimised



High Speed
Analogue Output



Wide temperature range

Description

The PV-10 series is maximum minimized. The fully welded stainless steel pressure module provides excellent media compatibility, high overpressure and burst ratings. The temperature compensated signal is a customer specific high level output voltage ideal for interfacing with data acquisition hardware. It is suitable for measurements where temperature cannot be controlled and reliable high performance measurement is required.

Pressure Ranges (FRO) - Gauge	Supply Voltage (V_s)
5 bar to 250 bar (any zero based range between)	8 to 32 VDC
Overpressure	Current Consumption
200% depending on pressure range (FRO)	≤ 5 mA
Output Signal (3-wire)	Material of Wetted Parts
0.5 to 4.5 V (others on request)	1.4404 and 1.4435
Load Impedance	Electrical Connection
> 5 kOhm	High temperature shielded cable
Measurement Performance	Pressure Connection
Total Error Band within Operating Temperature Range (includes non-linearity, hysteresis, repeatability, zero and span settings, thermal shift on zero and span)	M5x0,8
Standard $\leq 1.5\%$ FRO	
optional $\leq 1.0\%$ FRO	
IP Rate	IP67
Stability	Weight
$\leq 0.5\%$ FRO per year (typically)	10 g, app
Response Time	EMC
< 0.2 ms	12 V/m 80 MHz-2 GHz to DIN EN 61326 (A)
Operating Temperature Range	Vibration
-40°C to +150°C (to 180°C on request)	DIN EN 60068-2-64 Grade 1
Process Media Temperatur	
up to +180°C	

Dimensions (mm)

Connection	B	C	D
Cable	19,1	6,2	15,8
Thread	A		
M5×0,8 male		8	

Electrical Connections

Output	Function
Volts	+ V_S + Output - V_S
	Adjustment TEDS

