



PRESSURE TRANSDUCER

Type 2600

Pressure Transducer for **Vehicle Applications**

- covers very large range of vehicle specific applications
- measuring range: -1 ... 400 bar relative
0 ... 25 bar absolute
- available for excessive pressure
- high-grade steel housing
- excellent long-term stability by using strain gauge elements with high-grade steel diaphragm.
- can be used for aggressive liquid substances, e.g. fuel, brake liquid
- supply range from 1.5 V DC above full scale 35 V DC



Article no.: on request

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Typical Technical Specifications

Input

Pressure Range	-1 ... 400 bar relative 0 ... 25 bar absolute
Proof Pressure	2 x Full Scale (FS) (1.5 x Fs for 400 bar), \geq 5000
Burst Pressure	$>$ 35 x FS \leq 6 bar (100 psi) $>$ 20 x FS \leq 60 bar (1000 psi) $>$ 5 x FS \leq 400 bar (6000 psi)

Performance

Long Term Drift	0.2% FS/year (non-cumulative)
Accuracy	0.25% FS typical (optional 0.15% FS)
Thermal Error	1.5% FS typical (optional 1% FS)
Compensated Temperature	-20° C ... 80° C (-5° F ... 180° F)
Operating Temperatures	-40° C ... 125° C (-22° F ... 260° F) f
Zero Tolerance	1% of span
Span Tolerance	1% of span
Response Time	0.5 ms

Mechanical Configuration

Pressure Port	G1/4 external
Wetted Parts	17-4 PH stainless steel
Electrical Connection	Fixed plug size 10-6, mating plug not supplied
Protection Standard	IP65
Vibration	70g, peak to peak sinusoidal, 5 to 2000 Hz (random vibration: 20 to 2000 Hz @ approx. 20g peak per MIL-STD. -810E method 514.4)
Acceleration	100g steady acceleration in any direction 0.032% Fs/g for 1 bar (15 psi) range decreasing logarithmically to 0.0007% for FS/g for 400 bar (6000) psi range
Shock	20g, 11 ms, per MIL-STD.-810E Method 516.4 Procedure 1
Approvals	CE, UR (22ET, 26ET Intrinsically safe)
Weight	Approx. 100 grams (additional; cable 75 g/m)

Voltage Output Units

Output	0 ... 5 V
Supply Voltage (Vs)	1.5 V DC above full scale to 35 V DC @ 6 mA
Supply Voltage Sensitivity	0.01% FS/Volt
Min. Load Resistance	(FS output / 2) K ohms
Current Consumption	Approx 6 mA at 7.5V output

