



Pressure Transducer 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



Artikelnr.:
on request

PRESSURE TRANSDUCER Type 2600

Typical Technical Data

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), ≥ 5000
Burst Pressure	$>35 \times FS \leq 6$ bar (100 psi) $>20 \times FS \leq 60$ bar (1000 psi) $>5 \times FS \leq 400$ bar (6000 psi)

Performance

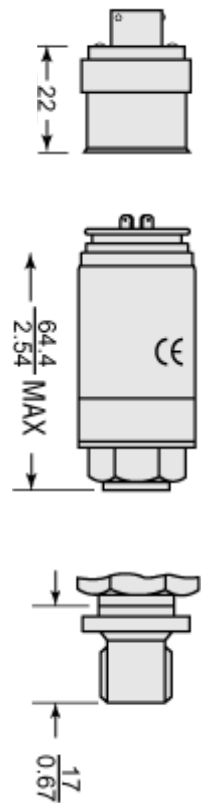
Long Term Drift	0.2% FS/year (non-cumulative)
Accuracy	0.25% FS typical (optional 0.15% FS)
Thermal Error	1.5% FS typical (optional 1% FS)
Compensated Temperature	-20° C ... 80° C (-5° F ... 180° F)
Operating Temperatures	-40° C ... 125° C (-22° F ... 260° F)
Zero Tolerance	1% of span
Span Tolerance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



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CORRSYS-DATRON
A Kistler Group Company

CORRSYS-DATRON Sensorsysteme GmbH
P.O. Box 1349 • 35523 Wetzlar / Germany
Phone: +49 64 41 92 82 0
Fax: +49 64 41 92 82 17

KISTLER
measure. analyze. innovate.

Kistler Instrumente AG
P.O. Box • CH-8408 Winterthur / Switzerland
Phone: +41 52 224 11 1
Fax +41 52 224 14 14

www.corrsys-datron.com

sales@corrsys-datron.com

www.kistler.com

info@kistler.com

In a continuous effort to improve our products, CORRSYS-DATRON reserves the right to change specifications without prior notice.