

2200 Series / 2600 Series – General Purpose Industrial Pressure Transducers

- ▶ Gauge, Absolute, Vacuum and Compound Pressure Models Available
- ▶ Submersible, General Purpose and Wash Down Enclosures
- ▶ High Stability Achieved by CVD Sensing Element
- ▶ Millivolt, Voltage and Current Output Models

The 2200 series features stability and accuracy in a variety of enclosure options. The 2600 series extends the packaging options via an all welded stainless steel back end for demanding submersible and industrial applications. The 2200 and the 2600 feature proven CVD sensing technology, an ASIC (amplified units), and modular packaging to provide a sensor line that can easily accommodate specials while not sacrificing high performance.

Specifications

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|---------------------------------|---|
| Input | |
| Pressure Range | Vacuum to 6000 psi (400 bar) |
| Proof Pressure | 2 x Full Scale (FS) (1.5 x Fs for 400 bar, ≥ 5000 psi) |
| Burst Pressure | >35 x FS <= 100 psi (6 bar); >20 x FS >= 1000 psi (60 bar); >5 x FS <= 6000 psi (400 bar) |
| Fatigue Life | Designed for more than 100 million FS cycles |
| 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 Temperatures | -5°F to +180°F (-20°C to +80°C) |
| Operating Temperatures | -40°F to +260°F (-40°C to +125°C) for elec. codes A, B, C, 1 -5°F to +180°F (-20°C to +80°C) for elec. codes 2, D, G, 3 -5°F to +125°F (-20°C to +50°C) for elec. codes F, M, P Amplified units >100°C maximum 24 VDC supply |
| Zero Tolerance | 1% of span |
| Span Tolerance | 1% of span |
| Response Time | 0.5 ms |
| Mechanical Configuration | |
| Pressure Port | See ordering chart |
| Wetted Parts | 17-4 PH Stainless Steel |
| Electrical Connection | See ordering chart |
| Enclosure | 316 ss, 17-4 PH ss IP65 NEMA 4 for elec. codes A, B, C, D, G, 1, 2, 3 IP67 for elec. code "F" IP68 for elec. codes M, (max depth 200 meters H ₂ O) IP30 for elec. code "3" with flying leads |
| Vibration | 70g, peak to peak sinusoidal, 5 to 2000 Hz (Random Vibration: 20 to 2000 Hz @ ≈20g Peak per MIL-STD.-810E Method 514.4) |
| Acceleration | 100g steady acceleration in any direction 0.032% FS/g for 15 psi (1 bar) range decreasing logarithmically to 0.0007% FS/g for 6000 psi (400 bar) range. |
| Shock | 20g, 11 ms, per MIL-STD.-810E Method 516.4 Procedure I |
| Approvals | CE, UR (22IC, 26IC, 22CS, 26CS) |
| Weight | Approx. 100 grams (additional cable; 75 g/m) |

Series 2200



Series 2600

