

2200 Series / 2600 Series -Universal Industrial Pressure Transducers

PRESSURE SENSORS

TECHNOLOGY

- ▶ 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 fits most applications and can easily accommodate specials whilst not sacrificing high performance.

Specifications

opoumounomo	
Input	
Pressure Range	Vacuum to 400bar G (6000 psi) 0 - 25bar Absolute
Proof Pressure	2 x Full Scale (FS) (1.5 x Fs for 400bar, >= 5000psi)
Burst Pressure	>35 x FS <= 6bar (100psi)
	>20 x FS >=60bar (1000psi)
	>5 x FS <= 40bar (6000psi)
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 Temperature	es -20° to 80°C (-5° to 180°F)
Operating Temperatures	-40° to 125°C (-40° to 260°F) for elec. codes A, B, C, 1
	-20° to 80°C (-5° to 180°F) for elec. codes 2, D, G, 3
	-20° to 50°C (-5° to 125°F) for elec. codes F,M, P
Zero Tolerance	1% of span
Span Tolerance	1% of span
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 for elec. codes A, B, C, G (with connector fitted) D, 1, 2, 3
	IP67 for elec. code "F"
	IP68 for elec. code M
	IP30 for elec. code "3" with flying leads
Vibration	35g peak sinusoidal, 5 to 2000Hz
Acceleration	100g steady acceleration in any direction 0.032%FS/g for 1bar (15psi) range decreasing logorithmically to 0.0007% FS/g for 400 bar (6000 psi) range.
Shock	Withstands free fall to IEC 68-2-32 procedure 1
Approvals	CE
Weight	Approx. 100grams (additional cable; 75g/m)





Individual Specifications

Output	100mv +/-1mV
Supply Voltage (Vs)	10Vdc (15Vdc max.) Regulated
Bridge resistance	2600-6000ohms
oltage Output units	
Output	See ordering chart
Supply Voltage (Vs)	1.5Vdc above FS output to 35Vdc @ 6mA
Supply Voltage Sensitivity	0.01% FS/Volt
Min. Load Resistance	(FS output / 2) Kohms
Current Consumption	approx 6mA at 7.5V output
urrent Output units	
Output	4-20mA (2 wire)
Supply Voltage (Vs)	24Vdc, (7-35Vdc) Above 100°C supply limited to 24Vdc
Supply Voltage Sensitivity	0.01% FS/Volt
Max. Loop Resistance	(Vs-7) x 50ohms



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Current units (4-20mA) Voltage units **Connection Code** mV Units IN+ OUT+ OUT-IN-EARTH COM OUT+ EARTH (+) (-) IN+ A, B, G Industrial DIN PIN С "10-6 Bayonet PIN Α В С D Α В В D "Cable" R BL G R BK DRAIN R ВК W DRAIN F "IP 67 cable" R BL G R ВК DRAIN R BK W DRAIN R M "Immersible R BL W R BL DRAIN W DRAIN PIN Α В C D Α C В "8-4 Bayonet" Α В D R R BK 2 "Cable" R W G RK BK DRAIN W DRAIN 3 "Conduit & R W BK BK R BK W Flying Leads" G R G G 3 "Conduit & Cable R W G ВК R ВК DRAIN R BK W DRAIN

Cable Legend:

R = Red

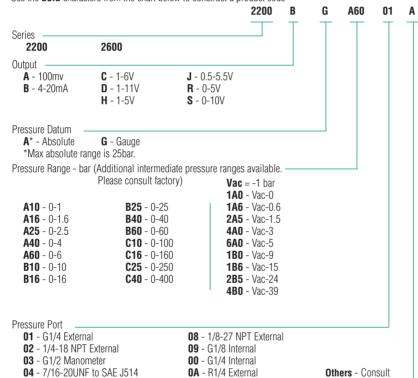
RI. = Blue BK = Black

W = White

G = Green Y = Yellow

How to Order

Use the **bold** characters from the chart below to construct a product code



19 - Nose Cone (2600 Only)

29 - Nose cone sink weight (2600 only) IG - 7/16 Schraeder Depressor

Performance Code Accuracy/Thermal A - .25%/1.5% **B** - .15%/1.0% Cable Length (Max length on 2200 - 10 metres) U - No Cable Fitted D - 1 Metre E - 3 Metres F - 5 Metres G - 10 Metres H - 15 Metres J - 20 Metres K - 25 Metres L - 30 Metres M - 40 Metres

3 U Α

> N - 50 Metres **P** - 75 Metres

Q - 100 Metres R - 125 Metres

S - 150 Metres

Code	Length (M)
4	170
5	200
6	225

Electrical Connection

2200 Series

A - Industrial DIN Mating Connector Supplied

B - Industrial DIN Mating Connector Not Supplied

2 - Cable Nema 4 USA

05 - G1/4 Ext. Soft Seal

D - Cable Weatherproof IP65 Europe

F - Cable Gland Metal IP67

C - Fixed Plug Size 10-6 Mating Plug Not Supplied

Factory

G - Fixed Plug To DIN 43650 Mating Plug Supplied

M - Immersible Max. depth 200 metres

1 - Fixed Plug Size 8-4 Mating Plug Not Supplied 3 - Conduit Connector 1/2NPT Ext. 1M Cable

Where electrical connection -3 and cable length -U occur in part number, the unit will be supplied with flying leads (IP30)

T - Micro DIN 43650 (mating connector not supplied)

Apparatus Protection

- 2 mV Transient Protection CE Mark
- 3 Amplified RFI Protected CE Mark

Dimensions (in mm)

2200 Series

