

3300 Series Compact Low Pressure OEM Pressure Transmitter

- ▶ 1 to 16 bar and 15 to 250 psi pressure ranges
- ▶ Choice of outputs, electrical connections and pressure ports
- ▶ Operating temperature up to 125°C

For OEMs that need consistent high levels of performance, reliability and stability the 3300 Series units offer unbeatable price performance ratio in a small package size with all stainless steel wetted parts in the volumes required. A wide choice of electrical outputs as well as both electrical and pressure connections means the unit is suitable for most applications without modification. The compact construction of the 3300 series makes it ideal for installation where space is at a premium.

Specifications

Input									
Pressure Range	bar	1	1.6	2.5	4	6	10	16	
	psi	15		30	50	100	150	200	250
Proof Pressure		3 x FS							
Burst Pressure (xFS)		150	100	200	125	85	50	30	30
Fatigue Life		Designed for more than 100M cycles							
Performance									
Long Term Drift		0.2% FS/year non cumulative							
Accuracy		0.25% FS							
Thermal Error		±1% max/80°C							
Compensated Temperature		-20° to 100°C (-4° to 212°F)							
Operating Temperature		-40° to 125°C (-40° to 257°F)							
Zero Tolerance		±0.5% of span max							
Span Tolerance		±1% of span max							
Resolution		0.15% max							
Mechanical Configuration									
Pressure Port		See ordering chart							
Wetted Parts		17-4 PH Stainless Steel							
Electrical Connection		See ordering chart							
Enclosure		IP65 for electrical code B IP67 for electrical code E							
Vibration		BSEN 60068-2-6 (FC) BSEN 60068-2-64 (FH)							
Shock		BSEN 60068-2-2n (Ea)							
Approvals		CE, PED							
Weight		53 gms							

Individual Specifications

Voltage Output Units	
Output	See ordering chart (current 8mA)
Supply Voltage (Vs)	3 Volts above Full Scale, to max 30 Volts (24 Vdc max for 110°C and above)
Current Output Units	
Output	4-20 mA
Supply Voltage (Vs)	10-30 Vdc (24 Vdc max. above 110°C applications)
Max Load Resistance	(Supply Voltage - 7.5) x 50 ohms
Ratiometric	
Output	0.5 to 4.5 Vdc
Supply Voltage (Vs)	5 Vdc + 10%

Mechanical Fittings



22mm across flats

NOTE: Dimensions in mm

Electrical Connectors



EMC Specification

EMISSIONS TESTS EN61326-1:2006 and EN61326-2-3:2006

Test Standard	Test	Comment
EN55011:2007	Conducted Emissions	Pass
EN55011:2007	Radiated Emissions	Pass

IMMUNITY TESTS EN61326-1:2006 and EN61326-2-3:2006

Test Standard	Test	Comment
EN61000-4-2:1995 + A1 + A2	Electrostatic Discharge	Pass
EN61000-4-3:2006	Radiated Immunity	Pass
EN61000-4-4:2004	Fast Burst Transients	Pass
EN61000-4-6:2006	Conducted RF Immunity	Pass

How to Order

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

Series 3300 X XXXX X XX X 0 00

Output B - 4-20mA P - 1-10 V
C - 1-6 V R - 0-5 V
H - 1-5V S - 0-10V
N - 0.5 - 4.5V T - 0.5 to 4.5 Ratiometric

Pressure Range 01B0 - 1 bar 015P - 15 psi
01B6 - 1.6 bar 030P - 30 psi
02B5 - 2.5 bar 050P - 50 psi
04B0 - 4 bar 100P - 100 psi
06B0 - 6 bar 150P - 150 psi
10B0 - 10 bar 200P - 200 psi
16B0 - 16 bar 250P - 250 psi

G = Gauge
A = Absolute

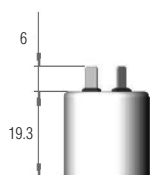
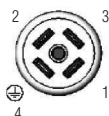
Integral Pressure Connection 01 - G1/4 External
02 - 1/4- 18 NPT External
04 - 7/16-20 UNF External
05 - G1/4 External Soft Seal
08 - 1/8 NPT External
0L - M12 x 1.5 - 6g
0S - G1/8 External

Electrical Connection
B - Industrial DIN
E - M12x 1
K - Industrial DIN

ELECTRICAL CONNECTOR

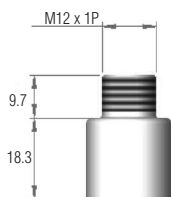
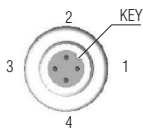
Code B and K

DIN43650C Industrial



Code E

M12 x 1P



Industrial DIN Class C (GDS 207 Connector) - Code B

Output Identification	Current Output 4-20 mA	Voltage Output
1	Do not connect	Pressure output
2	Positive	Supply positive
3	Do not connect	Do not connect
4	Negative	Common

M12 Connector - Code E

Output Identification	Current Output 4-20 mA	Voltage Output
1	Positive	Supply positive
2	Do not connect	Pressure output
3	Negative	Common
4	Do not connect	Do not connect

Industrial DIN Class C (GDS 207 Connector) - Code K

Output Identification	Current Output 4-20 mA	Voltage Output
1	Positive	Supply positive
2	Negative	Common
3	Do not connect	Pressure output
4	Do not connect	Do not connect

Note: Diameter = 19mm