

4264 Series-High Performance, High Stability, with 5:1 factory Turndown Capability Flameproof Transmitters

- ▶ Gauge, Sealed and Absolute Models
- ▶ Flameproof Enclosure
- ▶ CE approved

The 4264 series provides precise repeatable measurements in a flameproof housing complete with turndown capabilities. Exceptional levels of stability and other performance specifications are achieved by using a sputtered sensing element, which achieves a molecular fusion of a strain gauge material, an insulating material, and the 17-4 PH ss sensing element.

Specifications

Input	
Pressure Range	4 bar to 690 bar
Proof Pressure	2 x Full Scale (FS) for Stainless Steel Units 1.5 x FS for Inconel Units
Burst Pressure	>35 x FS <= 10 bar ranges >15 x FS <= 100 bar ranges >8 FS <= 690 bar ranges
Fatigue Life	3 million FS cycles
Performance	
Output	4-20 mA (2 wire)
Supply Voltage (Vs)	8 to 40 Vdc
Supply Voltage Sensitivity	0.005% of max. span/Volt
Long Term Drift	0.1% of max span per year non-cumulative
Accuracy	0.1 % FS typical
Thermal Error (typical)	0.8% of max span for performance code E
Compensated Temperatures	-25° to 75° C (-13° to 167° F)
Operating Temperatures	-25° to 85° C (-13° to 185° F)
Zero Tolerance	0.1% FS, typical
Span Tolerance	0.1% FS, typical
Zero Adjustment	+/- 10% (100% at factory) by potentiometer
Span Adjustment	25% to 125 % of span by potentiometer
Max. Loop Resistance	(Vs-8) x 50 ohms
Mechanical Configuration	
Pressure Port	see ordering chart
Wetted Parts	17-4 PH ss (optional Inconel) [17-4 PH and 15-7 Mo Stainless Steel <= 1.6 bar (30 Psi)]
Electrical Connection	M20 thread giving access to terminal blocks, optional flameproof cable assembly
Enclosure	321 ss, 17-4 PH ss IP50 when used with approved cable assembly
Vibration	35g peak sinusoidal, 5 to 2000 Hz
Acceleration	100g steady acceleration in any direction 0.05% FS/g for 1 bar (15 psi) range decreasing logarithmically to 0.0001% FS/g for 690 bar (10000 psi) range.
Shock	Withstands free fall to IEC 68-2-32 procedure 1
Approvals	CE, Flameproof EEx d IIC T4 per CENELEC
Weight	approx. 1.5Kg



How to Order

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

SELECT:

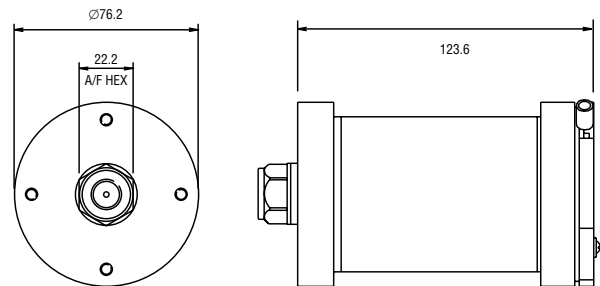
1. Output **B** 4-20mA
2. Datum **G** Gauge **A** Absolute **S** Sealed gauge
3. Insert pressure range code from table below
4. Pressure Port, see chart
5. Electrical Connection **4** Terminal block via M20 threaded aperture
6. Approvals/Protection **F** Flameproof and CE EExd IIC T4
7. Cable Length **U** no cable fitted
8. Static/Thermal performance **E** 0.1%/0.8%

4264 Model Bar Ranges	Range Code	Gauge (G) Absolute (A) Sealed (S)
0 to 6	A60	G, A
0 to 10	B10	G, A, S
0 to 16	B16	G, A, S
0 to 25	B25	G, A, S
0 to 40	B40	G, A, S
0 to 60	B60	G, A, S
0 to 100	C10	G, A, S
0 to 160	C16	G, A, S
0 to 250	C25	G, A, S
0 to 400	C40	G, A, S
0 to 600	C60	G, A, S**
0 to 690	C69	G, A, S**

* For compound ranges, consult sales

** Internal Inconel fitting required external fitting can be SS

Dimensions mm (in.)



Pressure Ports for the 4264 series

Code		
SS	Inconel	Description
OO	OK	G 1/4 internal
AO	AK	G 1/4 AT external
KO	KK	7/16-20 UNF-3A external
MO	MK	M14 x 1.5 external
PO	PK	G 1/2 AT external
BO	BK	1/4-18 npt external
GO	GK	1/2-14 npt external
SO	SK	7/16-20 UNJF-3A, MS 33656E4

Maximum diameter 76.2 mm (3")

For pressure port dimensions see page 39