

## 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

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

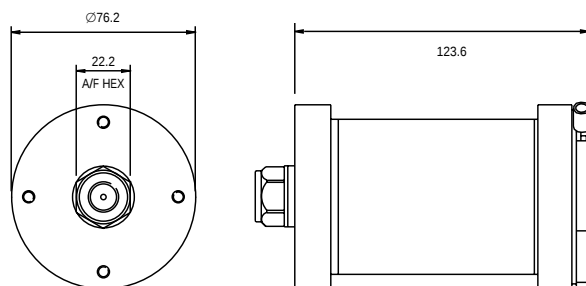
4264 **B** **G** **B10** **00** **4** **F** **U** **E**

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

\* 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")