

## GDN Series-Flush Mount Pressure Transmitter

- ▶ Ranges from 40 mbar to 40 bar
- ▶ All Stainless Steel Construction
- ▶ 4:1 Span Turndown Capability

The GDN series utilizes LVDT technology in a flush mount package for slurries, suspended solids in liquids, and other dirty applications where recessed fitting could not be used. These transmitters feature all welded stainless steel construction with a G1 thread for easy installation and cleaning. Zero and Span field adjustments are standard, but hidden to prevent unauthorized tampering.

### Specifications

#### Input

<b>Pressure Range</b>	40 mbar to 40 bar (0.6- 580 psi)
<b>Proof Pressure*</b>	10 x Full Scale (FS) < 2.4 bar range 4 x FS <= 16 bar range; 2 x FS <= 40 bar range
<b>Maximum Vacuum</b>	50% of max span
<b>Burst Pressure</b>	10 x FS

#### Performance

<b>Output</b>	4-20 mA (2 wire)
<b>Supply Voltage (Vs)</b>	8 to 30 Vdc
<b>Supply Voltage Sensitivity</b>	0.01% of max span/Volt
<b>Zero Stability</b>	0.4% of max span per year non cumulative
<b>Accuracy</b>	0.25 % of max span (typical)
<b>Thermal Error</b>	2.5% of max span (typical)
<b>Compensated Temperatures</b>	0-50 C (32-120 F)
<b>Operating Temperatures</b>	-20° to 85° C (-4° to 185° F) process -10° to 70° C (14° to 158° F) ambient
<b>Response Time</b>	0.1 seconds
<b>Zero Adjustment</b>	+/- 10% of max span
<b>Span Adjustment</b>	25% to 100 % of max span
<b>Max. Loop Resistance</b>	(Vs-8) x 50

#### Mechanical Configuration

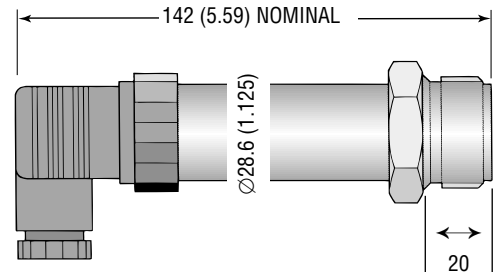
<b>Pressure Port</b>	
<b>G1 external or G1/4 internal</b>	
<b>Wetted Parts</b>	17-7 PH ss (optional 316ss or Hastelloy C)
<b>Electrical Connection</b>	DIN 43650, (pin 1 +, pin 2 -)
<b>Enclosure</b>	IP 65 (Nema 4), 316ss
<b>Approvals</b>	CE
<b>Weight</b>	500 grams

\*These pressures do not cause a zero shift greater than 5% of the max span.

Electrical connection	Wiring		
	(+)	(-)	EARTH
DIN PLUG	1	2	4



Dimensions mm (in.)



### How to Order

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

**SELECT:** GDN D **3** G **881**

1. Pressure Connection \*
  - 3** G1 external (flush diaphragm)
  - 1** G1/4 internal (recessed diaphragm)

2. Pressure Range
  - 851** 0-160 mbar (0-2.3 psi)\*
  - 860** 0-400 mbar (0-5.8 psi)
  - 870** 0-1 bar (0-14.5 psi)
  - 872** 0-2 bar (0-29 psi)
  - 881** 0-6 bar (0-87 psi)
  - 891** 0-16 bar (0-232 psi)
  - 900** 0-40 bar (0-580 psi)

\* The 851 range is only available with the G1/4 internal, recessed diaphragm, fitting. All other ranges are available in either recessed or flush mount construction.