

Electronic Pressure-Level Transmitters: **8000 Series**

**8000
ISSUE C.2**

- **0.29% accuracy of span.**
- **Stainless steel housing.**
- **Active temperature compensation.**
- **Zero / Span internally adjustable.**
- **Strong flush diaphragms.**
- **Many process connections.**
- **ATEX EEx ia.**

Performance **characteristics**

Enclosure / Housing

- Robust stainless steel 304. Protection to IP66.

Process connections

- Weld on nipple diam. 33mm (flush diaphragm) (equal to 1" PMC).
- G1" (1" BSP) threaded connection.
- 1" NPT threaded connection.
- Others available – please specify.

Ranges

- From 0.1 up to 50 bar, with max overpressure of 120 bar.

Accuracy

- $\pm 0.2\%$ of adjusted span.

Additional Information

- Specially designed for pulp and paper where clogging is a problem.
- Diaphragm only 26mm diameter. This ensures no solids can collect in any crevices.



Product **applications**

The 8000 is suitable for a wide range of applications in many industry sectors:

- Pulp and paper – stock lines, refiners, screens, cleaners, vacuum boxes etc.

The choice of models available ensures that the 8000 is suitable for use in:

- Corrosive atmospheres
- Resistant to chemical attack

How can we **help you?**

Delta Controls' range of reliable pressure and temperature measurement instruments can be customised to meet individual requirements. For technical advice or to discuss your application, please contact us on +44 (0)1252 729140

Ordering Code

Model Number	8000			Code	Code	Code
RANGES, bar				Code		
Unless otherwise specified all instruments are despatched with range set to maximum span	Min. Span	Max. Span	Max. Overpressure			
	0 to 0.1	0 to 0.4	6.4 bar	B		
	0 to 0.4	0 to 0.7	6.4 bar	C		
	0 to 0.7	0 to 1.5	10.5 bar	D		
	0 to 1	0 to 4	16 bar	E		
	0 to 2.5	0 to 10	30 bar	F		
	0 to 7.5	0 to 16	80 bar	G		
0 to 16	0 to 50	120 bar	H			
Process connection description				Code		
Weld on nipple 33mm diaphragm. Viton 'O' ring and M8. Lock screw to 16 bar.				W		
Mounting nipple outside thread 1" BSPP (G1")				WTB		
Mounting nipple outside thread 1" NPT				WTN		
Special engineering					Code	
Enter "G" and please specify in full					G	

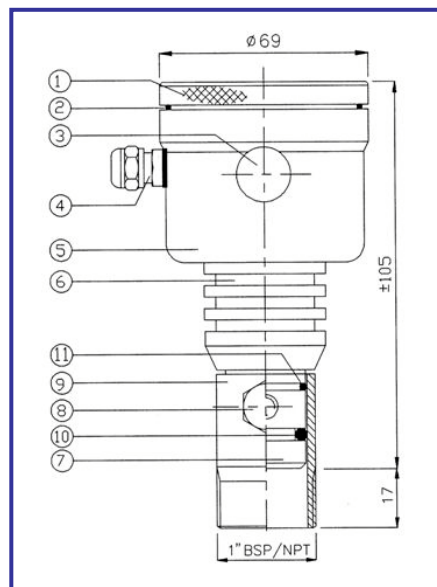
Technical Data

Measuring Ranges	: From 0-0.1 to 50 Bar
Output Signal	: 2-wire, 4-20mA
Overall Accuracy	: ± 0.25% adjusted span.
Hysteresis	: <0.1% of adjusted span.
Repeatability	: <0.1% of adjusted span.
Power Supply	: 13 to 40 VDC
Electrical Connection	: PG9 compression gland.
Load (max)	: 450 ohm/24V and 1250 ohm/40V
Protection Grade	: IEC 144-IP66

Response time	: 50ms
Power Pressure	: See ordering information
Process Temperature	: Standard -40°C to 100°C.
Temperature Effect	: Range B-C ±0.03%/K adjusted span Range D-G ± 0.015%/K adjusted span
Ambient Temperature	: -30°C to +85°C.
Adjustment	: Zero and span internally
Process connections	: See ordering information
Wetted parts Material	: Standard AISI 316
Material Housing	: AISI 304

Dimensions

1. Cover
2. O-ring
3. Vent
4. Cable entry
5. Electrical compartment
6. Connecting part
7. Diaphragm ring
8. M8 screw
9. Weld on nipple / flange
10. O-ring
11. O-ring



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