



## Intrinsically-Safe Pressure Module 700PEx

Choice of gauge, differential and absolute modules.

To measure a wide range of pressure in an explosive endangered area the range of pressure modules is extended with 8 ATEX compliant models. These models are compatible with the 718Ex intrinsically-safe pressure calibrator and the intrinsically-safe multifunction process calibrator 725Ex.

- Ranges from 2.5 mbar to 200 bar
- Very high accuracy up to 0.025%
- Compatible with 718Ex and 725Ex
- Rugged cases protect the modules in harsh environments



### Standard delivery:

- 700PEx
- Factory calibration certificate
- Adapter
- Instruction manual

### Technical data:

Pressure module output :	LEMO connector
Operating temperature:	0°C to 50°C
Storage temperature:	-40 to 60°C
Relative humidity: (% RH operating without condensation)	95% (10 to 30°C); 75% (30 to 40°C); 45% (40 to 50°C); 35% (50 to 55°C)
Vibration:	Random, 2 g, 5-500 Hz



Also available as a standard 'non-Ex' unit.

### Pressure Module Specifications

Model	Range (approx.)	Resolution	Reference Uncertainty (23 ± 3°C)	High Side media	Low Side media	Fitting material	Max. over-pressure <sup>2</sup>
<b>Differential</b>							
700P01Ex	25 mbar	0.01 mbar	0.2%	dry <sup>1</sup>	dry	316 SS	3x
700P24Ex	1000 mbar	0.1 mbar	0.03%	316 SS	dry	316 SS	3x
<b>Gauge</b>							
700P05Ex	2 bar	0.1 mbar	0.03%	316 SS	N/A	316 SS	3x
700P06Ex	7 bar	0.7 mbar	0.03%	316 SS	N/A	316 SS	3x
700P27Ex	20 bar	1 mbar	0.03%	316 SS	N/A	316 SS	3x
700P09Ex	100 bar	10 mbar	0.03%	316 SS	N/A	316 SS	2x
<b>Absolute</b>							
700PA4Ex	1000mbar	0.1 mbar	0.05%	316 SS	N/A	316 SS	3x
<b>High</b>							
700P29Ex	200 bar	0.01 bar	0.05%	C276	N/A	C276	2x

### Ex-data:

Ex-designation:

Ⓔ II 1 G EEx ia IIC T4

EC-Certificate of conformity:

Kema 04 ATEX 1102 X



I.S. Class 1 Div. 1 Groups A-D, T4

<sup>1</sup> "Dry" indicates dry air or non-corrosive gas as compatible media.

"316 SS" indicates media compatible with Type 316 Stainless Steel.

"C276" indicates media compatible with Hastelloy C276.

<sup>2</sup> Maximum overpressure specification includes common mode pressure.