

700P Ex

TO MEASURE PRESSURE

CERTIFICATION



Ⓜ II 1G EEx ia IIC T4



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

COMPATIBLE

To measure a wide range of pressure in a hazardous 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.

TECHNICAL DATA

Ambient temperature	0 °C to 50 °C
Storage temperature	-40 to 60 °C
Pressure module output	LEM0 connector
Relative humidity (% RH operating without condensation)	95 % (+10 °C... +30 °C); 75 % (+30 °C... +40 °C); 45 % (+40 °C... +50 °C); 35 % (+50 °C... +55 °C)
Dimensions	110 x 90 x 45 mm
Weight	approx. 300 g



Pressure Module 700P Ex FOR ZONE 0

FEATURES & FUNCTIONS

- 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

- 700P Ex
- Factory calibration certificate
- Adapter
- Documentation

PRESSURE MODULE SPECIFICATIONS

Model	Range (approx.)	Resolution	Reference Uncertainty (+23 ± 3 °C)	High Side media	Low Side media	Fitting material	Max. over-pressure ²
Differential pressure							
700P01Ex	25 mbar	0.01 mbar	0.2 %	dry ¹	dry	316 SS	3x
700P24Ex	1000 mbar	0.1 mbar	0.25 %	316 SS	dry	316 SS	3x
Gauge pressure							
700P05Ex	2 bar	0.1 mbar	0.25 %	316 SS	N/A	316 SS	3x
700P06Ex	7 bar	0.7 mbar	0.25 %	316 SS	N/A	316 SS	3x
700P27Ex	20 bar	1 mbar	0.25 %	316 SS	N/A	316 SS	3x
700P09Ex	100 bar	10 mbar	0.25 %	316 SS	N/A	316 SS	2x
Absolute pressure							
700PA4Ex	1000 mbar	0.1 mbar	0.05 %	316 SS	N/A	316 SS	3x
High pressure							
700P29Ex	200 bar	0.01 bar	0.05 %	C276	N/A	C276	2x

¹ "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.

² Maximum overpressure specification includes common mode pressure.