



External Pressure Module

ExM Series Data Sheet



This image is for marketing purposes; the actual instrument may vary slightly

FEATURES

- 0.025 % Full scale accuracy
- Pressure ranges from -1 bar to 1000 bar
- Gauge, and absolute ranges
- 14 selectable pressure units
- Plug and play concept
- Easy to carry
- Wide choice of Pneumatic and Hydraulic range

DESCRIPTION

The ExM external pressure modules introduce new configuration possibilities and add flexibility, as it is possible to calibrate more pressure ranges with the same calibrator. This way, the calibration equipment meets your needs even better. Offers a wide range of external pressure modules from vacuum to 1000 bar.

Technical Specifications

Range code	Range	Resolution	Units
1	-1 to 1 bar	0.0001	bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH ₂ O, inHg, inH ₂ O, ftH ₂ O, cmH ₂ O, mbar, mmH ₂ O
2	-1 to 2 bar	0.0001	bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH ₂ O, inHg, inH ₂ O, ftH ₂ O, cmH ₂ O, mbar, mmH ₂ O
10	-1 to 10 bar	0.001	bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH ₂ O, inHg, inH ₂ O, ftH ₂ O, cmH ₂ O, mbar
20	-1 to 20 bar	0.001	bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH ₂ O, inHg, inH ₂ O, ftH ₂ O, cmH ₂ O, mbar
40	-1 to 40 bar	0.001	bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH ₂ O, inHg, inH ₂ O, ftH ₂ O, cmH ₂ O, mbar
70	-1 to 70 bar	0.001	bar, psi, Kg/cm ² , KPa, MPa, mmHg, atm, mH ₂ O, inHg, inH ₂ O, ftH ₂ O, cmH ₂ O, mbar
200	0 to 200 bar	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O
400	0 to 400 bar	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O
700	0 to 700 bar	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O
1000	0 to 1000 bar	0.1	bar, psi, Kg/cm ² , MPa, atm, mH ₂ O, inHg, ftH ₂ O

Accuracy provided: 0.025% FS

Operating Temperature: 0 to 60°C

Pressure media: all liquid and gas compatible with SS 316 (non-corrosive)

Pressure unit: bar, psi, Kg/cm², KPa, MPa, mmHg, atm, mH₂O, inHg, inH₂O, ftH₂O, cmH₂O, mbar, mmH₂O

Pressure connection: 1/4" BSP female for all ranges

Storage temperature: -10 °C to 60°C

Over pressure: 120%FS up to 40 bar;
105%FS above 40 bar

Casing material: ABS Plastic

Progress Bar: 0 to 100% (FS for pressure alone)

Warranty: 1 year

standard delivery

Each ExM is supplied with

-Warranty certificate

-User manual

-Traceable Calibration Certificate

-1/4" BSP M X 1/4" BSP M: 1 no

-1/4" Bonded Seal: 2 nos



R&D Instrument Services

Ordering Information

Model

ExM (External Pressure Module)

Range

1(-1 to 1)
 2(-1 to 2)
 10(-1 to 10)
 20(-1 to 20)
 40(-1 to 40)
 70(-1 to 70)
 100(0 to 100)
 200(0 to 200)
 400(0 to 400)
 700(0 to 700)
 1000(0 to 1000)

ExM-____-bar

Note: * - Accuracy specifications include effect of non-linearity, hysteresis and repeatability at 23±5°C

Recommended Pressure Source

Below models have been recommended by our R&D to enhance calibration accuracy and performance and are being considered for inclusion.

1. HP series
2. CP series
3. HPP series

Check our website for more catalogues.

Optional

Adapters: 1/4" BSP M x 1/2" NPT M, 1/4" NPT M, 1/8" NPT M, 3/8" NPT M, 1/4" BSP M, 1/2" BSP M, 1/8" BSP M, 3/8" BSP M
 -Quick Coupling connectors
 -Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard



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**Manufacturer of Test benches
 Calibration Instruments**