

Data Sheet



FEATURES

- 0.02 % Full scale accuracy
- Pressure ranges from -1 bar to 1000 bar
- Gauge, and absolute ranges
- 15 selectable pressure units
- Wide choice of Pneumatic and Hydraulic range
- IP 65 Protection Class
- 0 to 100% Progress Bar for the FS

DESCRIPTION

High precision digital pressure gauge with an accuracy ranges of 0.1, 0.05, 0.02% of full scale available in pressure ranges from -1 bar to 1000 bar with a wide choice of pressure ranges. HP features 15 selectable pressure units, zero, tare & peak hold display functions. HP is supplied as a standalone digital indicator or in hydraulic or pneumatic test kits with our wide range of hand held pressure pumps to be used as high accuracy pressure calibrator for calibrating pressure gauges, pressure transducer and pressure switches

Technical Specifications

Range code	Range	Resolution	Units
HP - 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, torr
HP - 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, torr
HP - 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, torr
HP - 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, torr
HP - 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, torr
HP - 200	0 to 200 bar	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O
HP - 400	0 to 400 bar	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O
HP - 700	0 to 700 bar	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O
HP - 1000	0 to 1000 bar	0.1	bar, psi, Kg/cm ² , MPa, atm, mH ₂ O, inHg, ftH ₂ O

Accuracy provided: 0.1% FS, 0.05% FS, 0.02% FS *
Special Function : Min/Max/TARE/ZERO

Temperature range: 0 to 50°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 male for all ranges

Storage temperature: -10 °C to 60°C

Display: 14 segment large LED display, 21mm height

Sealing: IP 65

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

Power supply: 4 X AA size alkaline battery

Physical Dimension: 105 x 110 x 50 (LBH) in mm

Casing material: ABS Plastic

Battery backup: 1000 hours (STD)

200 hours (for LA, HA)

Pressure Connection: 1/4" BSP M (Default)

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

Warranty: 1 year (battery not included)

Safety Standards: IEC 61000-4-2: Testing and measurement techniques – Electrostatic discharge immunity test.
IEC 61000-4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test.