



Advanced Pressure Gauge

APG-DP Series
Data Sheet

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

FEATURES

- 0.05 % Full scale accuracy
- 20 selectable pressure units
- Compact, lightweight & hand operated
- Air flow monitoring, when used with pitot tube
- Large, easy to read display with backlight for use in dark areas
- Readings with minimum and maximum
- 0 to 100% Progress Bar for the FS

DESCRIPTION

High precision differential pressure meter with various accuracy ranges available in pressure ranges from 2000mmH₂O to 10bar with a wide choice of pressure ranges. 20 selectable pressure units, zero & Min/Max display functions. Ideal for calibration of gauges and differential pressure, suitable for accurate field testing and calibration of process pressure.

Technical Specifications

Range code	Range	Resolution	Units
2000	-2000 to +2000 mmH ₂ O	0.1	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, Pa, torr, hpa, kg/m ² , cmHg, lb/ft ²
5000	0 to 5000 mmH ₂ O	0.1	
10000	0 to 10000 mmH ₂ O	1	
2	0 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, hpa, kg/m ² , cmHg, lb/ft ²
7	0 to 7 bar	0.0001	
10	0 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, hpa, cmHg, lb/ft ²

Accuracy provided: up to 0.05% FS

Special Function: Min/Max/ZERO

Operating Temperature: 0 to 60°C

Pressure media: air

Pressure unit: bar, psi, Kg/cm², KPa, MPa, mmHg, atm, mH₂O, inHg, inH₂O, ftH₂O, cmH₂O, mbar, mmH₂O, Pa, torr, hpa, kg/m², cmHg, lb/ft²

Pressure connections: 1/4 "BSP male for both High & Low

Storage temperature: -10 °C to 60°C

Display: 7 segment large LCD display

Backlight: white led

Character height in display: 15mm height

Over pressure: 120%

Power supply: 4 x AA size alkaline battery

Physical Dimension: 105 x 125 x 50(LBH) in mm

Casing material: ABS Plastic

Battery backup: 200 hours

low battery indicator: Yes,

Auto power OFF: 30 minutes

Progress Bar: 0 to 100%

Warranty: 1-year (battery not included)

Instrument weight: 600gms



Ordering Information

Model

APG Advanced Pressure Gauge

Manometer

DP (Differential Pressure)

Range

Range code

Standard Unit

mmH₂O & bar

APG- ____ - ____ - mmH₂O/bar

Pressure Range Code

Range code	Range	Accuracy
2000	-2000 to +2000 mmH ₂ O	±0.05 %F.S
5000	0 to 5000 mmH ₂ O	±0.05 %F.S
10000	0 to 10000 mmH ₂ O	±0.05 % F.S
2	0 to 2 bar	±0.05 % F.S
7	0 to 7 bar	±0.05 % F.S
10	0 to 10 bar	±0.05 % F.S

Note:

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

standard delivery

Each APG is supplied with

- Digital Indicator
- AA alkaline batteries x 4nos
- Transit Carrying Case
- Warranty certificate
- User manual
- Traceable Calibration Certificate
- 4mm push to 1/4" BSP(F) Adaptor Set
- 5.23 X 2.62 'O' Ring: 2 nos.

Optional

- Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard

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. Screw Pump
2. HP series

Check our website for more catalogues.

CONTACT



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**Manufacturer of Test benches
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