

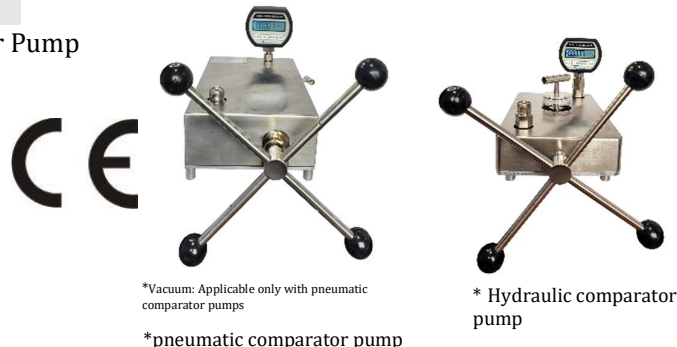


Advanced Pressure Gauge Calibration Kit (Pneumatic & Hydraulic)

Application: Ideal for on-site calibration of vacuum and pressure . Combines a precision digital pressure gauge with a robust calibration Comparator pump to create a compact, reliable, and cost-effective field calibration solution.

Features

- Combined system: Pressure Gauge + Comparator Pump
- 0.02 % Full scale accuracy
- Pressure ranges from -1 bar to 1000 bar
- 14 selectable pressure units
- 0 to 100% Progress Bar for the FS
- Wide choice of Pneumatic and Hydraulic range
- IP 67 Protection Class



*Vacuum: Applicable only with pneumatic comparator pumps

*pneumatic comparator pump

* Hydraulic comparator pump

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

DESCRIPTION

The APGK Series offers high-accuracy digital pressure indicators with selectable accuracies of 0.1%, 0.05%, and 0.02% FS, covering ranges from -1 to 1000 bar. Available as a standalone gauge or integrated into pneumatic (-0.95 to 35 bar) and hydraulic (0 to 700 bar) test kits, it features 14 pressure units, zero, tare, and peak hold functions. Ideal for calibrating pressure gauges, transducers, APGK combines precision with versatile pressure generation, making it a complete pressure calibration solution.

Technical Specifications

Model	Range (bar)	Resolution (bar)	Units	Comparator range
APGK-C-2	-1 to 2	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	CP-2 (-0.95 to 2 bar)
APGK-C-10	-1 to 10	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	CP-10 (-0.95 to 10 bar)
APGK-C-20	-1 to 20	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	CP-20 (-0.95 to 20 bar)
APGK-C-35	-1 to 35	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	CP-35 (-0.95 to 35 bar)
APGK-C-200	0 to 200	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O	CP-200(0 to 200)
APGK-C-400	0 to 400	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O	CP-400(0 to 400)
APGK-C-700	0 to 700	0.01	bar, psi, Kg/cm ² , KPa, MPa, atm, mH ₂ O, inHg, ftH ₂ O	CP-700(0 to 700)

Note:

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



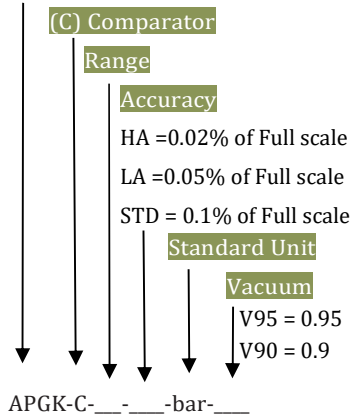
R&D Instrument Services

product specification:

- Accuracy provided: 0.1%FS, 0.05%FS, 0.02%FS *
- Special Function: Min/Max/ZERO
- Temperature range: 0 to 50°C
- Pressure media: all liquid and gas compatible with SS316 (non-corrosive)
- Pressure unit: bar, psi, Kg/cm², KPa, MPa, mmHg, atm, mH₂O, inHg, inH₂O, ftH₂O, cmH₂O, mbar, mmH₂O
- Storage temperature: -20°C to 70°C
- Display: 7 segment large LCD display
- Backlight: white LED backlight
- Character height in display: 15mm height
- Sealing: IP 67
- Over pressure: 120%FS up to 40 bar; 105%FS above 40 bar
- Pressure connection: 1/4" BSP male for all ranges
- Powersupply: 4 x AA size alkaline battery
- Physical Dimension: 105 x 110 x 50 (LBH) in mm
- Casing material: ABS Plastic
- Battery backup: 2000 hours (STD) 400 hours (for LA, HA)
- 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

Ordering Information

Advanced Pressure Gauge with Calibration Kit



CONTACT



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For Calibration: www.calibrationlab.in

**Manufacturer of Test benches
Calibration Instruments**



CC-2828

Standard delivery

Each APGK-C is supplied with

1. APGK Digital Indicator.
2. Comparator pump (Pneumatic or Hydraulic).
3. Rubber Boot.
4. AA alkaline batteries x 4 nos.
5. 1/2", 1/4", 1/8", 3/8"-each 1nos BSP(F) end connection adapter.
6. Metal Washers: 3/8"1/4"1/8", -3nos.
7. 'O' Ring: 3/8"1/4"1/8"-5nos
8. Metal Washers: 1/2", -3nos.
9. 'O' Ring: 1/2"-5nos
10. User Manual: 1no.
11. Traceable Calibration Certificate.
12. Carrying pouch - 2 nos for indicator & pump

Optional

1. Quick coupling & connectors.
2. Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard.
3. Communication Cable with R&D Cal-Software.
4. Data Logging Facility.
5. Adapters (each 1 no.): 1/4" BSP (M) x 1/8" BSP (F), 1/8" NPT (F), 1/4" NPT (F), 3/8" BSP (F), 3/8" NPT (F), 1/2" BSP (F), 1/2" NPT (F).
6. Nylon Seals: 1/8", 1/2", 1/4" & 3/8" - 5 nos. each.

Pressure Range Code

Range code	Range	Vacuum
2 (Pneumatic)	0 to 2bar	✓
10 (Pneumatic)	0 to 10 bar	✓
20 (Pneumatic)	0 to 20 bar	✓
35 (Pneumatic)	0 to 35 bar	✓
200 (Hydraulic)	0 to 200 bar	NA
400 (Hydraulic)	0 to 400 bar	NA
700 (Hydraulic)	0 to 700 bar	NA
X	User defined	