



APC Series Advanced Model

Application: Ideal for calibration of differential pressure transmitters, differential pressure gauge, level transmitters, flow transmitters, magnahelic gauge, vacuum & pressure gauges, switches, transmitters, etc.



Panel Mount

Specification - Low Pressure*

| Model | Range ¹ (mmH ₂ O) | Resolution (mmH ₂ O) | Accuracy (% F.S.) | Pressure Units |
|----------------|--|------------------------------------|----------------------|--|
| APCPM-250 LP | 0 to 250 | 0.01 | ±0.15 | bar, mmH ₂ O, Psi, |
| APCPM-500 LP | 0 to 500 | 0.01 | ±0.15 | kg/cm ² , Kpa, Mpa, |
| APCPM-1000 LP | 0 to 1000 | 0.1 | ±0.05 | mmHg, atm, mH ₂ O, |
| APCPM-2000 LP | 0 to 2000 | 0.1 | ±0.05 | inHg, inH ₂ O, ftH ₂ O, |
| APCPM-5000 LP | 0 to 5000 | 0.1 | ±0.05 | cmH ₂ O, Pa, mbar, |
| APCPM-10000 LP | 0 to 10000 | 1 | ±0.025 | torr, hpa, kg/m ² , cmHg, lb/ft ² |

Specification - Medium & High Pressure

| Model | Range ¹ | Resolution | Accuracy ¹ | Selectable Pressure Units |
|-----------|-------------------------|------------|-----------------------|---|
| APCPM 2 | -1 bar Vacuum to 2 bar | 0.0001 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O, mmH ₂ O |
| APCPM 10 | -1 bar Vacuum to 10 bar | 0.001 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O |
| APCPM 20 | -1 bar Vacuum to 20 bar | 0.001 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O |
| APCPM 40 | -1 bar Vacuum to 40 bar | 0.001 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O |
| APCPM 100 | 0 to 100 bar | 0.01 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg |
| APCPM 200 | 0 to 200 bar | 0.01 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O |
| APCPM 400 | 0 to 400 bar | 0.01 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa |
| APCPM 700 | 0 to 700 bar | 0.01 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa |

#Contact us for other ranges.

Measurements

| Facility | Range | Resolution | Accuracy ¹ |
|-----------------|------------|------------|----------------------------|
| mA ² | 0 to 50 mA | 0.001 mA | ±0.025% of Reading + 10 µA |
| Volts | 0 to 30 V | 0.001 V | ±0.025% of Reading + 3 mV |

Note 1: Accuracy specifications include effect of non-linearity, hysteresis and repeatability at 23±5°C.

Note 2: Active loop - Load @ 800Ω

Features

MEASUREMENTS: Loop powered supply with mA measurement for Transmitter calibration . Electrical measurements of mA & Volts . Peak pressure measurements (High & Low peak)
PRESSURE SWITCH TEST FACILITY: Opening and closing pressures are easily identified by display hold while opening and closing contact
DISPLAY: Large backlit Graphical display
KEYPAD: Feather Touch keypad for easy operation
 Dedicated ZERO key for Zeroing before test

| | |
|-------------------------------|--|
| Over Pressure Alarm | : 20% of Full Scale upto 40 bar 5% of Full Scale for other ranges |
| Pressure Media | : Compatible to 316 Stainless Steel |
| Current Terminal Input | |
| Protection | : Fuse: 100mA / 250V |
| Display | : Graphical Display |
| Power supply | : 230 VAC, 50 Hz |
| Transmitter Supply | : 24V DC±10% (Loop Powered) |
| Pressure Connection | : 4mm* Push Fit or 1/4" BSP Female |
| Operating Temperature | : 10 to 50°C |
| Instrument Casing | : ABS Plastic |
| Instrument Dimensions | : 290mm x 257mm x 119mm (LxWxD) |
| Instrument Weight | : 2.3 kg. |



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Standard Delivery

1. Instrument : 1 no.
2. Test Lead (2 wire) : 2 nos.
3. User Manual : 1 no.
4. Traceable Calibration Certificate

Optional

1. RS232 with RnD Cal-P Software
2. Accredited (NABL) Calibration Certificate as per ISO/IEC 17025:2005 Standard
3. Calibration Pumps

Please consult us for Dual Pressure Calibrator.

Manufacturer of
**TEST BENCHES
CALIBRATION INSTRUMENTS**

**ISO 9001:2008
Certified Company**

www.rndinstruments.com

Contact

5, Natesan Nagar, Alapakkam,
Chennai 600116. Tamilnadu, INDIA.
Tel.: +91-44-4283 9039 / 4284 1119

Mobile Nos.: +91-87544 78464 / 87544 68463

email: sales@rndinstruments.com

service@rndinstruments.com

ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

**THERMAL
MECHANICAL
ELECTROTECHNICAL**

www.calibrationlab.in