



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

Application

Ideal for calibration of vacuum & pressure gauges, switches, transmitters, etc.

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 . 'Auto OFF' function for longer battery life
KEYPAD: Feather Touch keypad for easy operation. Dedicated ZERO key for Zeroing before test

Specifications

| Model | Range* | Resolution | Accuracy ¹ | Selectable Pressure Units |
|----------|-------------------------|------------|-----------------------|---|
| APC 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 |
| APC 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 |
| APC 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 |
| APC 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 |
| APC 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 |
| APC 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 |
| APC 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 |
| APC 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 |
| APC 1000 | 0 to 1000 bar | 0.1 bar | ±0.025% F.S. | bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O |

*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

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|--|--|
| 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 |
| Backlight | : LED Backlight |
| Power Supply | : Li-ion Rechargeable Battery |
| Low Battery Indicator | : Yes |
| Auto Power Off | : 15 minutes |
| Battery Backup | : 19 hours |
| Transmitter Supply | : 24V DC±10% (Loop Powered) |
| Pressure Connection | : 1/4" BSP Female |
| Operating Temperature | : 0 to 60°C |
| Instrument Casing | : ABS Plastic |
| Instrument Dimensions | : 250 mm x 145 mm x 45 mm (LxWxD) |
| Instrument Weight | : 650 gms. |

Standard Delivery

1. Instrument: 1 no.
2. Test Lead (2 wire): 2 nos.
3. Charger: 1 no.
4. User Manual: 1 no.
5. Traceable Calibration Certificate
6. 1/4" BSP M x 1/4" BSP M
7. 1/4" Bonded Seal: 2 no.
8. Carrying Pouch: 1 no.

Optional

1. RS232 with RnD Cal-P Software
2. Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard
3. Table top Design(single or Dual Pressure Port)



Table Top

Manufacturer of
TEST BENCHES
CALIBRATION INSTRUMENTS

ISO 9001
Certified Company

www.rndinstruments.com

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ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

THERMAL
MECHANICAL
ELECTROTECHNICAL

www.calibrationlab.in