

**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

**Specification**

Model	Range*	Resolution	Accuracy <sup>1</sup>	Selectable Pressure Units
APC 2	-1 bar Vacuum to 2 bar	0.0001 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa, inH <sub>2</sub> O, mmHg, mbar, cmH <sub>2</sub> O, mmH <sub>2</sub> O
APC 10	-1 bar Vacuum to 10 bar	0.001 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa, inH <sub>2</sub> O, mmHg, mbar, cmH <sub>2</sub> O
APC 20	-1 bar Vacuum to 20 bar	0.001 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa, inH <sub>2</sub> O, mmHg, mbar, cmH <sub>2</sub> O
APC 40	-1 bar Vacuum to 40 bar	0.001 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa, inH <sub>2</sub> O, mmHg, mbar, cmH <sub>2</sub> O
APC 100	0 to 100 bar	0.01 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa, inH <sub>2</sub> O, mmHg
APC 200	0 to 200 bar	0.01 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa, inH <sub>2</sub> O
APC 400	0 to 400 bar	0.01 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa
APC 700	0 to 700 bar	0.01 bar	±0.025% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O, kPa
APC 1000	0 to 1000 bar	0.1 bar	±0.05% F.S.	bar, kg/cm <sup>2</sup> , MPa, mH <sub>2</sub> O, atm, psi, inHg, ftH <sub>2</sub> O

\*Contact us for other ranges.

**Measurements**

Facility	Range	Resolution	Accuracy <sup>1</sup>
mA <sup>2</sup>	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

Over Pressure Alarm	: 20% of Full Scale upto 40 bar 5% of Full Scale for other ranges
Pressure Media	: Compatible to 316 Stainless Steel
<b>Current Terminal Input Protection</b>	: 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	: 10 to 50°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

**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](http://www.rndinstruments.com)

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**ACCREDITED CALIBRATION LABORATORY**

As per ISO / IEC 17025

**THERMAL  
MECHANICAL  
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