



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 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	±0.05% 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

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	: 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 17025:2005 Standard

Manufacturer of
**TEST BENCHES
CALIBRATION INSTRUMENTS**

**ISO 9001:2008
Certified Company**

www.rndinstruments.com

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ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

**THERMAL
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www.calibrationlab.in