



Pressure Calibrator Kit

(Pneumatic) APCK Series

Advanced Model

Application: Ideal for calibration of vacuum and 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

PUMP: Pneumatic hand pump for Pressure & Vacuum



Pneumatic
Hand Pump
HP 25



Pneumatic
Hand Pump
HP 2

Carrying Case

Over Pressure Alarm	: 20% of Full Scale
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

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

Instrument

Model	Range*	Resolution	Accuracy ¹	Selectable Pressure Units
APCK 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
APCK 10	-1 bar Vacuum to 10 bar	0.001 bar		bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O
APCK 20	-1 bar Vacuum to 20 bar	0.001 bar		bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O
APCK 40	-1 bar Vacuum to 40 bar	0.001 bar		bar, kg/cm ² , MPa, mH ₂ O, atm, psi, inHg, ftH ₂ O, kPa, inH ₂ O, mmHg, mbar, cmH ₂ O

*Contact us for other ranges.

Specifications for Pneumatic Hand Pump HP2

Range: Generation of Pressure: 2 Bar & Vacuum: 0.850 Bar
Medium: Dry Air. **End Connection:** ¼" BSP (F) Test & Master

Specifications for Pneumatic Hand Pump HP25

Range: Generation of Pressure: 25 Bar & Vacuum: 0.850 Bar
Medium: Dry Air. **End Connection:** ¼" BSP (F) Test & Master

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As per ISO / IEC 17025

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