



PCS-P

Portable Pneumatic Pressure Calibrator

PCS-P is Portable pressure calibrator for Pneumatic pressure calibration up to 100 bar with pressure generation and precise control. Compared to other manufacture's equipment, PCS-P reduces calibration time and user fatigue because of easy and precise pressure generate and control for a large amount of on-site calibration.

PCS-P has a built-in 2 liters gas reserve cylinder and regulating primary pressure control and volume controller precise control a secondary pressure which has equalize function. At high pressure, PCS-P can control high pressure with less effort. Therefore PCS-P is best portable pneumatic pressure calibrator in the world.

PCS-P also has a built-in double acting type vacuum pump and it generates up to -950 mbar (-713 mmHg) which has the best degree of a vacuum in its class.

Upper side of PCS-P equipped quick connectors and adaptors for quick and easy to connect DUT. It has 2 m of high pressure flexible tubing for quick and easy charging pressure on 2 liters gas cylinder.

- Potable pressure calibration
- Simple calibration for common calibration lab
- Calibrate pressure gauge for pressure measuring instruments retail business
- Pressure generating and controlling for pressure test lab
- Pressure calibration for laboratory
- Pressure switch test

- Built-in 2 liters gas cylinder (charge up to 150 bar)
- 0.025% F.S Accuracy
- Built-in double acting type vacuum pump (-950 mbar)
- Built-in equalize function volume controller
- Include adaptor set & High pressure tube
- Supply the power to Pressure Transmitter and measure output



01 Specification

Pressure Range	-950 mbar to 20, 35, 70, 100 bar
Accuracy	±0.025% F.S
Electronic Measurement and Source	±30 VDC, ±30 mADC, Accuracy ±(0.02%RD+0.003%FS),
Display	Max 6 digits LCD
Power	Use 10VDC Power Adaptor, Rechargeable Battery, 4 hours charge can use 40 hours
Communication	RS232 Serial Communication
Workable Temperature	-10°C to 50°C (Storage Temperature -20°C to 70°C)
Pressure Unit	bar, mbar, Pa, kPa, MPa, psi, inH ₂ O, mmH ₂ O, inHg, mmHg
Control Precision	0.1 mbar
Built-in Gas Cylinder	2 liter Max, Charged up to 150 bar
Vacuum Pump	Double Acting type manual vacuum generating pump -950 mbar
Volume Controller	Equalize function volume controller
Test Port	1/4" SWG Quick Connector Body
Test Adaptor	1/2", 3/8", 1/4", 1/8" BSPT / BSPP / NPT
Weight	11 kg
Size	450 mmW × 260 mmD × 225 mmH

02 Order Information

Model(PCS - P - Range) / Description(Portable Pneumatic Pressure Calibrator)

20 bar	0 to 20 bar
35 bar	0 to 35 bar
70 bar	0 to 70 bar
100 bar	0 to 100 bar

03 Option

10 Liters Aluminum Gas Cylinder