



PCS-H

PORTABLE HYDRAULIC PRESSURE CALIBRATOR

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

PCS-H has a built-in lever type pump for internal deaeration and priming. Lever type priming pump can generate primary pressure up to 20 MPa and screw type hand pump can generate and precise pressure control easily and quickly up to 100 MPa use with very small torque.

PCS-H is portable instrument that can generate up to 100 MPa which is the best portable hydraulic pressure generator/controller in the world. Upper side of PCS-H equipped quick connectors and adaptors for quick and easy to connect DUT. PCS-H using special O-Ring by PDK's own high pressure technology, therefore it can be used semi-permanently without failure.

- 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
- For hydraulic high pressure calibration
- Pressure switch test

- Built-in lever type priming pump
- Up to 100 MPa pressure generate and control
- Accuracy 0.025% F.S
- Supply the power to Pressure Transmitter and measure output
- High pressure generate and control with very small torque
- Excellent stabilization of the pressure
- Include fitting adaptor set & High pressure tube



01 Specification

Pressure Range	0 to 20, 35, 70, 100 MPa
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	kg/cm ² , kPa, MPa, psi, bar, mbar, inH ₂ O, mmH ₂ O, inHg, mmHg
Control Precision	1 kPa
Priming Pump	Max 20 MPa
Test Port	Quick Connection Body
Test Adaptor	1/2", 3/8", 1/4", 1/8" PT / PF / NPT
Weight	9 kg
Size	450 mmW x 260 mmD x 225 mmH

02 Order Information

Model (PCS - H - Range) / Description (Portable Hydraulic Pressure Calibrator)

20 MPa	0 to 20 MPa
35 MPa	0 to 35 MPa
70 MPa	0 to 70 MPa
100 MPa	0 to 100 MPa

03 Accessories

1.2 m High pressure flexible tube, Oil 1 liter, Syringe, Test Adaptor, Power Adaptor



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