

Automatic Hydraulic Pressure Calibrator



AHCP700

- Fully Automatic Pressure Point Control
- Integrated, automatic pressure generation up to 700 bar
- PC based Calibration software
- Pressure Gauge/Transmitter/Switch Test
- External Pressure Module

Ordering Information

Model:

AHCP700 - Range

Standard accessories:

- 1) Factory Cal Certificate Traceable to International/ National Standard
- 2) Operating Manual
- 3) x1 high pressure hose
- 4) Adaptors - 1/2", 3/8", and 1/4" NPT Female
- 5) Adaptors/ Chargers
- 6) Warranty 1 year

Pressure Specification

Internal Reference Ranges:

0~100 bar, 0~200 bar,
0~400bar, 0~700 bar

Accuracy:

0.025 % FS or 0.01 % FS

Pressure Resolution:

5 Full Digits (0.05 % / 0.025 % FS),
6 Full Digits (0.01 % FS)

Temperature Compensation:

0 ~ 50 oC to rated accuracy

Selectable Engineering Units:

Mpa, bar, kg/cm², kPa, psi, etc

Time Pressure Generation:

< 30 seconds

Automatic Control Stability:

0.005% F.S

Pressure Generation:

Built-in

electric pump (self generate),
Maximum 700 bar

Media:

Water / Hydraulic Oil

Available Pressure Modules

400bar, 300bar, 200bar
140bar, 70bar, 35bar

Electrical Inputs

mA Input Range:

±0 ~ 24 mA(24 VDC Loop Power)

mA Input Accuracy:

0.01 % FS

Volts Input Range:

±0 ~ 30 VDC

Volts Input Accuracy:

0.025 % FS

Switch Input:

Non-contact Input

General Specification

Display:

4.3" TFT Colour Touch Screen

Warm Up Time:

5 mins

Communication:

USB

Size:

400 x 330 x 170mm

Weight:

13 kg

Power:

14.8 V Li-ion / 5 Hours per charge

Operating Hours:

8 hours