

Precision calibration pump

Model : ICP40.2 / ICP60

Applications

- Simple test pressure generation on site, in the laboratory or in the workshop
- For testing, adjusting and calibrating all types of pressure gauges
- Precise pressure generation from -950 mbar to +40 bar / +60 bar for vacuum and overpressure

Special Feature

- Robust handling
- Precise setting with volume fine adjustment valve and vent valve
- Simple switching between vacuum and overpressure
- Made in Germany



Technical Description

Areas of Application

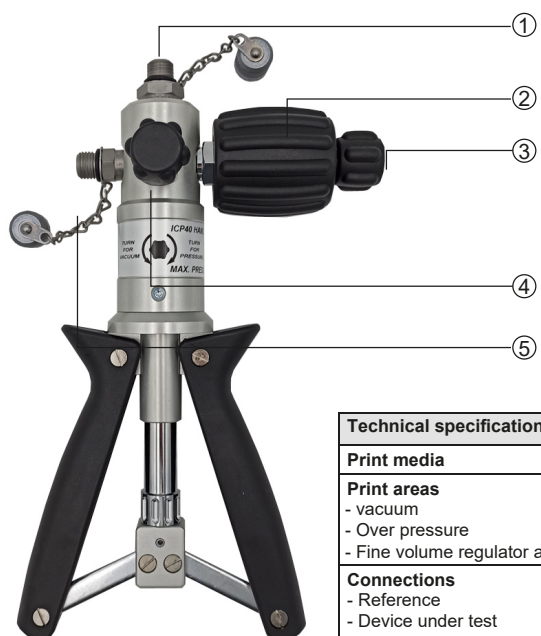
Calibration test pumps are used to generate pressure for checking, adjusting and calibrating mechanical and electronic pressure gauges by means of comparison measurements.

Function

If the device to be tested and a calibrator reference measuring device are connected to the test pump, the same pressure acts on both measuring devices when the pump is actuated. By comparing the two pressure values generated, the accuracy can be checked or the pressure gauge to be checked can be adjusted. The ICP 40.2 / ICP 60 has a precision control or vent valve for precisely approaching the pressure test points.

Operating

Despite its very compact dimensions, the hand test pump ICP 40.2 / ICP 60 enables easy and precise test pressure generation up to a maximum of 40 bar or 60 bar with switching to vacuum generation down to a maximum of -950 mbar. The pump has a fine adjustment valve for precise adjustment for an exact comparison test. The reference measuring device is screwed directly onto the pump via the Minimesse quick coupling or G1/4" female and the test item is connected via the Minimesse quick coupling or G1/4" female / hose.



① Pressure connection for reference device
G1/2 inside or Minimesse quick coupling

② fine adjustment valve

③ Druckablassventil

④ pressure relief valve

⑤ Pressure connection for test item G1/4" internal
thread or Minimesse quick coupling

Technical specifications	ICP 40.2	ICP 60
Print media	Luft	
Print areas - vacuum - Over pressure - Fine volume regulator and vent valve	-0,95 bar 40 bar Fine adjustment up to 0.01mbar	-0,95 bar 60 bar Fine adjustment up to 0.01mbar
Connections - Reference - Device under test	G1/4 - inside incl. MINIMESS-coupling 1215 (1620) G3/8 - inside incl. MINIMESS-coupling 1215 (1620)	
Dimensions - Pump	approx. 240 x 170 x 50 mm	
Weight - Pump	approx. 1,1 kg	

Accessories



Accessories

digital pressure gauge

Minimesse hose

Minimesse Adapter set
series 1215 (1620) G1/8, G1/4, G1/2, NPT1/8, NPT1/4, NPT1/2
M10x1, M20x1.5 and 3 hoses (1 / 1,5 / 2m)

dirt case



Recommended reference pressure gauges / calibrators



Digital pressure gauge CPG 500

- Simple operation via four buttons
- Accuracy: 0.25% (incl. calibration certificate)
- Robust housing with rubber protective cap
- Complete service case including pressure generation available
- 4 ½-digit display, bar graph with drag pointer function, illuminated
- measuring ranges from -1 ... +16 bar to 0 ... 1,000 bar (-14.5...230psi to 0...14,500psi)
- Rotatable housing > 270 °
- Measuring rate 10 ms
- Pressure connection G ¼ up to max. 40 bar (580 psi)
- G ½ from > 40 bar(> 580 psi)
- Accuracy 0.25% FS ±1 digit



Precision Digital pressure gauge CPG 1500

- Highest accuracy
- Accuracy: up to 0.05% (incl. calibration certificate)
- Intrinsically safe version
- Logger function with up to 50 measured values per second
- Communication with the Wika-Cal software via Wika wireless
- Display > 110% FS or -10% FS
- Accuracy) 0.1% FS
- 0.05% FS (optional)
- Pressure type Relative pressure, absolute pressure (up to 20 bar abs. (290 psi abs.)) and vacuum measuring ranges
- The housing can be rotated 330°
- Measuring rate max. 50/s
- Measuring ranges up to 0 ... 10,000 bar (0 ... 150,000 psi), vacuum and absolute pressure measuring ranges also available



Precision Digital pressure gauge IDM 01

- Nominal pressures: 0 ... 100 mbar to 0 ... 400 bar
- Accuracy: 0.05% FSO BFSL (class 0.05) modular sensor concept
- graphic-capable display backlight
- USB 2.0 interface
- Stainless steel case d = 100 mm
- zero point adjustment
- data logger



Portable process calibrator CPH7000

- Manual pressure generation from -0.85 to +25 bar (-12.3 ... +360psi)
- Accuracy: 0.025% FS (incl. calibration certificate) Data
- logger with high measuring rate and large memory
- Sending/measuring from 0 ... 30 mA and 24 V DC power supply
- A calibration assistant guides you through the calibration
- measuring rate 50 values/s
- Air pressure 860 hPa < P < 1060 hPa (12.5 psi < P < 15.4 psi) Display resolution up to 5 digits; adjustable
- Display Touchscreen color display



ICP Calibration Pump
in case with digital manometer
and Minimes adapter / thread adapter



Testing technology / calibration technology from ICS Schneider Messtechnik GmbH

- DAkkS and factory calibration for the measuring devices pressure / temperature / flow rate / electrical signals Repair
- of calibration devices of all makes Portable pressure
- gauges for testing and calibration tasks Precision pressure
- gauges and pressure controllers Primary standards for pressure
- Testing technology system solutions / test cases
- Temperature block calibrators Temperature
- measuring devices for test calibration tasks
- Primary standards for temperature
- Professional advice / system solutions
- maintenance / commissioning