

(D)PC-series

Pressure calibrators for equipment test and control



Vimex temperature and pressure calibrators have been designed for calibration of instruments on-board ships. This will enable ship owners to comply with SOLAS (Safety Of Life At Sea) and ISM (International Safety Management) regulations for maintenance standards, as adopted by IMO.

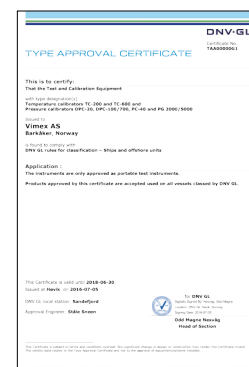
Regulations apply to all marine vessels, incl. naval ships and mobile offshore drilling units.

Operational safety depends on continuous monitoring and accurate measurements of crucial machinery and instrumentation on-board the vessel. Our high-precision calibrators are reliable and easily operated.

As the calibrators are portable, there is no need for ship instruments to be removed from their equipment boards, thereby reducing the risk for measuring errors and equipment damage.



- Safe and easy to operate and handle
- High precision and durability
- Well known for reliability
- Norsk Analyse provides replacements
- Supply and service facilities in major ports
- Type approved by DNV



Digital pressure calibrator, DPC-20, pneumatic

The DPC-20 is a hand-held digital pressure calibrator. It uses a pneumatic pump with a maximum output pressure of 25 bar. The unit is supplied with a special connection for test cock with flange diameter 40 mm.

The calibrator is delivered in a transport case with dimensions 305 mm (width) x 220 mm (length). The complete weight is approximately 0.6 kg.

Digital manometer specifications:

- Diameter: 67 mm
- Type: PG-5
- Accuracy: ± 0.25 % of full scale
- Display: $3\frac{1}{2}$ digit LCD, 0.5" digits

- Range: 0 to 20 bar / 0 to 40 bar
- Vacuum: -0.8 bar
- Switch: Auto-off after 16 minutes
- Materials: Injection moulded valox



Digital pressure calibrator, DPC-100, hydraulic

The DPC-100 is a hand-held digital pressure calibrator. It uses a hydraulic pump with a maximum output pressure of 700 bar. Normal working pressure is 300 bar (1700 psi).

The calibrator is delivered in a transport case with dimensions 100 x 350 x 550 mm. The complete weight is approximately 8 kg.

The unit is supplied with a 100 cm flexible hose with rapid coupling and a special connection for test cock with flange diameter 40 mm.

Digital manometer specifications:

- Diameter: 67 mm
- Type: PG-5
- Accuracy: ± 0.25 % of full scale
- Display: $3\frac{1}{2}$ digit LCD, 0.5" digits
- Range: 0 to 100 bar / 0 to 300 bar
- Switch: Auto-off after 16 minutes
- Materials: Injection moulded valox



Digital pressure calibrator, DPC-700, hydraulic

The DPC-700 is a hand-held digital pressure calibrator. It uses a hydraulic pump with maximum output pressure of 700 bar. The pressure medium is hydraulic oil/distilled water. The unit is supplied with a special connection for test cock with flange diameter 40 mm.

The calibrator is delivered in a transport case with dimensions 310 mm (width) x 290 mm (length). The complete weight is approximately 1.8 kg.

Digital manometer specifications:

- Diameter: 67 mm
 - Type: PG-5
 - Accuracy: ± 0.25 % of full scale
 - Range: 0 to 700 bar
- Display: $3\frac{1}{2}$ digit LCD, 0.5" digits
 - Switch: Auto-off after 16 minutes
 - Materials: Injection moulded valox



Pressure calibrator, PC-40, hydraulic

The PC-40 is a hand-held pressure calibrator. It uses a hydraulic pump with a maximum output pressure of 700 bar. Normal working pressure is 300 bar (1700 psi).

The unit is supplied with 100 cm flexible hose with rapid coupling, and a special connection for test cock with flange diameter 40 mm. Three different manometers are included.

The calibrator is delivered in a transport case with dimensions 100 x 350 mm x 550 mm. The complete weight is approximately 13 kg.

Manometer specifications:

- Diameter: 160 mm
- Range: 0 to 2.5 bar, 0 to 16 bar, 0 to 40 bar etc. up to 700 bar
- DIN class 0.5 %



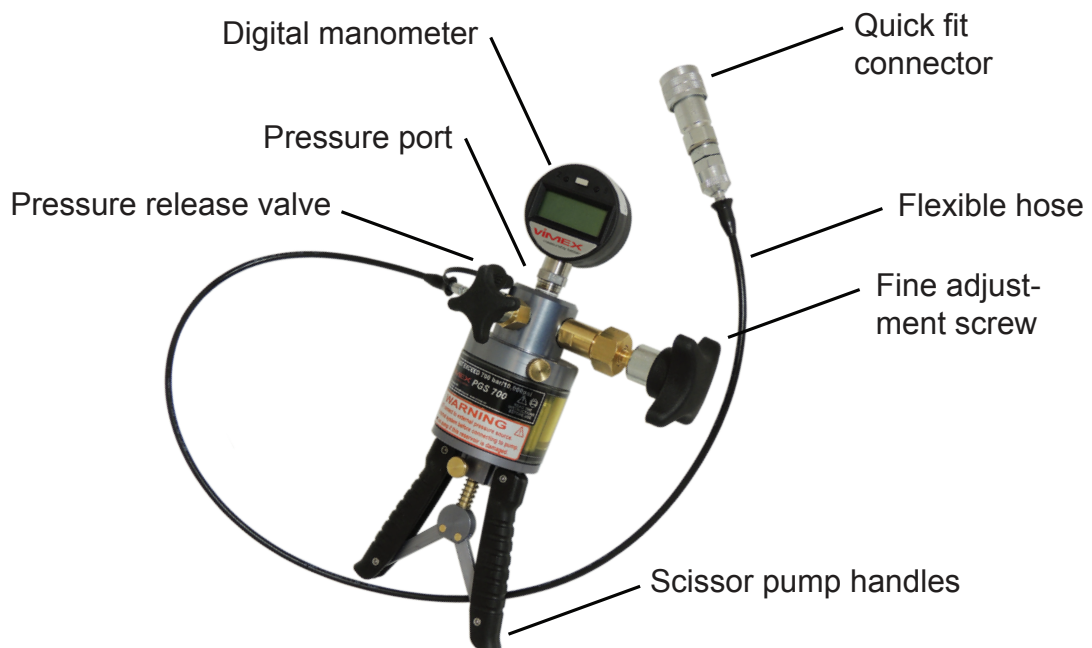
Pressure calibrator description

Our pressure calibrators are used for calibration checks on pressure transmitters, pressure switches, indicators, recorders, controllers and similar instrumentation.

We can supply calibrators using air or water/oil as pressure medium. Both the pneumatic and hydraulic calibrators are characterised by their high accuracy of measurement in a rugged design.

Depending on calibrator type, reference pressures from -1 to 700 bar can be generated. High precision analogue or digital pressure gauges are used to display the actual pressure.

Calibration checks of instruments are performed by temporarily shutting of the line pressure and then connecting the instrument to the pressure calibrator via the flexible hose and an appropriate adaptor. Our adaptor set supplied enables connection to all common gauge threads.



Related documents

- TC-600 temperature calibrator datasheet (VIMEX-E-DSH-024)
- Equipment for portable measurements datasheet (VIMEX-E-DSH-026)

Please note that datasheet specifications are subject to change without prior notice!