

OMESS-CALIBRATOR

OM-HM 621



The OM-HM 621 portable calibrator is very convenient and easy to transport. It is used for testing and calibration of pressure transducers. The Omess-Calibrator OM-HM 621 is suitable for simulating overpressure and vacuum pressure. Measurement ranges are available from 0...25 mbar to 0...17 bar.

The OM-HM 621 is equipped with an integrated handpump for pressure production and with a variable bellows for fine pressure adjustment. The built-in

electronics unit with a two-line LC matrix display can be switched to 9 different units (mbar, bar, kPa, hPa, mmH₂O, mmHg, psi, inH₂O, inHg) and has a HOLD-, MIN/MAX- and leakage-rate function. The optional RS-232 interface allows 964 measurements to be printed out directly via a printer (without PC), using Datalogging. PC-User Software is available as option.

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Technical Data:

Measurement ranges/accuracy classes:

0... 25 mbar/	0,2 % full scale or 0,1 % full scale
0... 70 mbar/	0,2 % full scale or 0,1 % full scale or 0,05 % full scale
0... 200 mbar/	0,2 % full scale or 0,1 % full scale
0... 300 mbar/	0,2 % full scale or 0,1 % full scale or 0,05 % full scale
0... 500 mbar/	0,2 % full scale or 0,1 % full scale
0... 1.000 mbar/	0,2 % full scale or 0,1 % full scale or 0,05 % full scale
0... 2.000 mbar/	0,2 % full scale or 0,1 % full scale or 0,05 % full scale
0... 7.000 mbar/	0,2 % full scale or 0,1 % full scale or 0,05 % full scale
0... 10.000 mbar/	0,2 % full scale or 0,1 % full scale
0... 17.000 mbar/	0,2 % full scale or 0,1 % full scale or 0,05 % full scale

Test media:

inert gases/instrument air

Pneumatic connections:

for plastic hose \varnothing 6/4 mm

Operating temperature:

-5°C to +50°C

Storage temperature range:

-40°C to +85°C

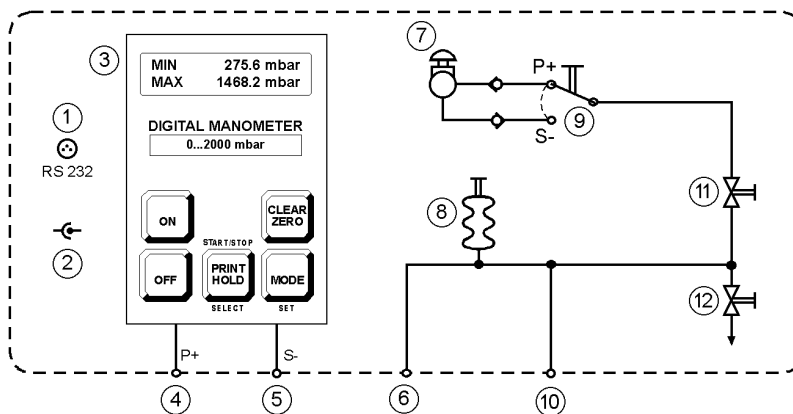
Dimensions:

approx. 230 x 150 x 190 mm

Weight:

approx. 3 kg

Layout:



- | | |
|---|---|
| 1. RS-232 interface | 7. Handpump |
| 2. Plug-in mains power supply connecting socket | 8. Variable bellows |
| 3. LC matrix display | 9. Vacuum, overpressure changeover switch |
| 4. "P+" overpressure connection | 10. Pressure distribution |
| 5. "S-" vacuum connection | 11. Straight-through valve |
| 6. Pressure distribution | 12. Shut-off valve |

Accessories:

- SCS Calibration Certificate
- Manual
- Power Supply 220 V/50Hz
- 1 Blank
- 2 Replacement union nuts
- 5 m of plastic hose

Options:

- PC-Software
- Plug-in mains power supply
- Overpressure shut-off valve
- Water separator

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