

OMESS-CALIBRATOR

OM-HM 422D



The OM-HM 422D portable calibrator is very convenient and easy to transport. It is used for testing and calibration of pressure transducers. OM-HM 422D calibrator is suitable for simulating overpressure and vacuum pressure and especially for differential pressure. OM-HM 422D is equipped with an integrated handpump for pressure production up to 17bar and vacuum down to -0,8bar. Fine adjustment can be regulated with a variable bellow. External pressure could be given by an external air port and dosing valve.

The small analogue manometer allows quick reading of produced pressure and eases simulation

with digital manometers. Measurement ranges are available from 0...10 mbar to 0...17 bar.

2 digital manometers (type HM28 or HM38) are integrated in the calibrator.

It is possible to combine up to 4 relative/ absolute- pressure sensors or 2 differential pressure sensors.

The built-in electronics unit 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. For further details please see datasheet of HM28 or HM38.

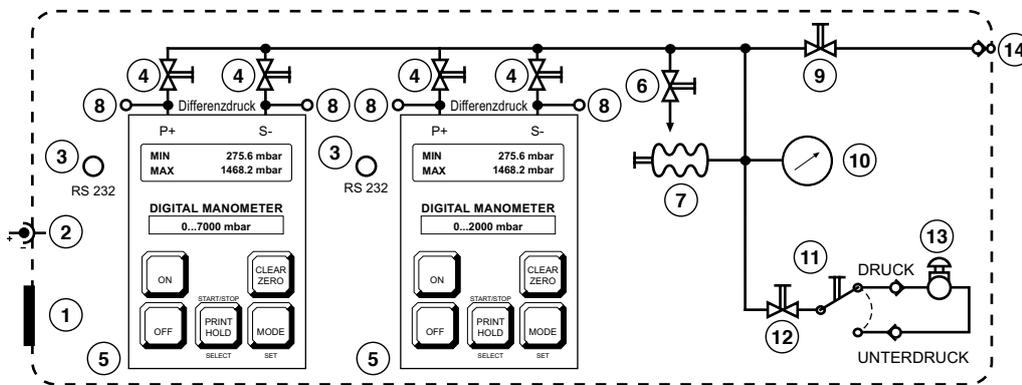
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Technical specifications:

Measuring units:	2 digital manometers HM28 or HM38
Measuring range:	25 mbar to 17 bar
Accuracy:	see data sheet HM28 / HM38
Media:	inert gases/instrument air
Pneumatic connection:	for plastic tube \varnothing 6/4 mm
Operating temperature:	-5 °C bis +50 °C
Storage temperature:	-20 °C bis +60 °C
Power supply:	9 V DC battery or power supply 220 V/50 Hz
Dimensions:	ca. (410 x 260 x 230) mm
Weight:	ca. 7 kg

Layout:



- | | |
|--------------------------|------------------------------|
| 1. Battery 9 V (Option) | 8. Sample Connection |
| 2. Power Supply | 9. Straight-trough Valve |
| 3. RS-232-Interface | 10. Manometer |
| 4. Vent Valves | 11. Pressure Selector Switch |
| 5. HM28 bzw. HM38 | 12. Vent Valve |
| 6. Straight-trough Valve | 13. Handpump |
| 7. Variable Bellows | 14. External Air Entry |

Accessories:

- SCS Certificate
- Handling instructions
- 2 union nuts
- 2 m plastic tube

Optionen:

- Power supply 220 V/50 Hz
- PC software
- PC-cable
- DAkkS-DKD-Certificate

subject of modification