

OMESS-CALIBRATOR

OM-DPC



The OM-DPC measures and generates pressures and consequently it is more than a mere measuring instrument – it can also be applied as test and calibration instrument for pressure sensors and pressure switches. Thanks to internal

pressure generation no auxiliary tools are required for operation. An internal Li-ion battery is available for mobile operation. Parallel operation of mains and battery supply allows for maximum flexibility.

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Technical Data:

Versions:	Measuring/ pressure range
OM-DPC-1	1 hPa
OM-DPC-10	10 hPa
OM-DPC-100	100 hPa
OM-DPC-1000	1000 hPa
Measuring insecurities	0,3% v.E. ± 1Digit 0,1% v.E. ± 1Digit
Linearity	0,2% v.E. ± 1Digit
Hysteresis	0,1% v. E. ± 1Digit 0,1% v. E. max.
Measurement principle	inductive
Temperature drift of the internal reference sensor	Zero point: 0,03% of f. v. / K (0% through zero balance); Span: 0,03% of f. v. / K
Zero balance, programmable modes	· Automatic (in adjustable time intervals) · Manual (ZERO button)
Long-time stability of the internal reference sensor	0,1% of f. v. per year (typical)
Working temperature range	+10°C to +40°C
Storage temperature range	-10°C to 70°C
Usable pressure measuring range	-10..110%
Adjustment time Depending on volume	< 5s
Measurement media	Air, non-aggressive and non-corrosive gasses
Operating modes	CTRL (controlling pressure) MESS (measuring pressure) AUTO (individually definable pressure profile) Remote-controlled operation (via interfaces)
Display	Graphic display (blue/ white)
Resolution	10.000 points
Interfaces	USB - RS232
Power supply	24 VDC/ 1A
Pressure connections	6,6 x 11 mm (for flexible hoses D = 6mm)
Housing	102,6 x 257 x 271 mm (H x B x T) without handle
Accessories	Supply device - transport case – hoses

Fields Of Application

Mobile and stationary calibration - mobile and stationary pressure measurement – test automation in test rigs

subject of modification

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