

Mobile Pressure Generator MG20

The mobile pressure generator MG20 from THOMMEN combines our wide experience with the latest technology available today.

Based on our well-proven, highly reliable mobile pressure generator series OM, LM and EC, the new MG20 represents the state-of-the-art in pressure simulation.

The pressure generator MG20 acts as the base unit. Our pressure measurement instruments HM22, HM28 or HM38 plug easily into the MG20, as required for the different measurement functions and ranges, and offer the well-known advantages and benefits.



HM22 _____
The compact handheld pressure gauge

HM28 _____
The versatile handheld pressure gauge

HM38 _____
The pressure calibrator



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The applications

- Measurement and control engineering
- Process engineering
- Pharmaceutical and chemical industries
- Paper and foodstuffs industries
- Gas, water works and waste disposal plants
- Heating/ventilation/air conditioning

Your benefit

- Easily exchangeable measurement instruments (HM)
- Portable simulation and measurement unit
- For calibration tasks in workshops or on-site
- Very simple operation via the keypad
- Over- and underpressure can be created and regulated with the pneumatic unit
- Robust, compact and yet lightweight construction
- Maintenance-free

Performance features

- Simulation of over- and underpressure
- Overpressure to 20 bar with hand pump
- Underpressure to -850 mbar
- Fine adjustment with Variobalg
- Independent of a pneumatic and electrical supply
- Pneumatic Plug-in connector/nipple («Rectus» type 20)
- SCS-certificate included (HM)

The specifications

Pressure simulation with bellows unit, hand pump	
Gauge pressure	0 to 20 bar
Vacuum	0 to -850 mbar
Measuring media	Instrument air or inert gases
Pneumatic connections	Plug-in connector/nipple «Rectus» type 20
Case dimensions	approx. 158 x 108 x 259 mm
Weight without measuring instrument	2,1 kg
Operating temperature	-20° C to +50° C
Storage temperature range	-40° C to +80° C

HM22

The compact, handheld pressure gauge HM22 has a large, easy-to-read display and is very simple to operate. Measuring ranges can be selected by pressing a button. This permits improved reading precision for the small measuring range. The pressure gauge is used for monitoring and checking apparatus in process engineering, where quality requirements are becoming increasingly rigorous. Measurements can be made with this instrument in over- and underpressure, differential or absolute pressure.

HM28

A convincing feature of this handheld pressure gauge is its versatility. Functions are available for leak rate, min./max. values and for storing the measured values in the display. The measured values can be stored in the integrated data memory with the datalogging function and from there, logged directly on a connected printer, without PC via the RS232 interface. A Ex-version for working in the designated fire and explosion hazard zone EEx ib IIC T5 is also available.

HM38

The pressure calibrator HM38 provides the user with two individual pressure measuring ranges for over- and underpressure, differential or absolute pressure. It is possible simultaneously to measure and generate current and voltage. The illuminated display and the zoom function permit simple reading of the measured values. And of course with a datalogging function with interface RS232 and PC-software level Windows.



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