

# Mobile Pressure Generator



- Type MG20



HM35  
The compact handheld pressure gauge



HM22  
The compact handheld pressure gauge

HM28  
The versatile handheld pressure gauge

HM38  
The pressure calibrator

## General

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

The pressure generator MG20 acts as the base unit. Our pressure measurement instruments HM35, HM22, HM28 or HM38 plug easily into the MG20, as required for the different measurement functions and ranges, and offer the wellknown advantages and benefits.

# Mobile Pressure Generator MG20



## 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 10 bar with hand pump
- Underpressure to -800 mbar
- Fine adjustment with bellows
- Independent of a pneumatic or electrical supply
- Pneumatic plug-in connector/nipple («Rectus» type 20)
- SCS-certificate included (HM)

## Specifications

- Pressure simulation with bellows unit, hand pump
  - Gauge pressure 0 to 10 bar
  - Vacuum 0 to -800 mbar
- Measuring media Instrument air or inert gases
- Pneumatic ports Plug-in connector/nipple «Rectus» type 20
- Case dimensions 158 x 108 x 259 mm
- Weight without measuring instrument 2,1 kg
- Operating temp. range -20 °C to +50 °C
- Storage temp. range -40 °C to +80 °C

## HM35

The most impressive feature of the HM35/HM35 EX manometer is the versatile range of applications. It allows measurements in the area of relative, differential or absolute pressure. The EX-version meets all requirements for applications in hazardous areas (Ex ia IIC T4). Functions such as pressure change rate, MIN./MAX. and average value are available, in addition the HM35/HM35 EX can also be individually configured for different applications. A large, well readable graphics display, its handy size, a real time clock including date, the background illumination, the data memory for 10.000 measurements... only to mention a few highlights – facilitate its use. Via the infrared interface (Ir), all data can be transferred directly to any PC. A communication software for Windows is also available. 22 selectable measurement units complete off the specification of this precise manometer.

## 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 Ex 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.

Please contact us for more information or for our complete documentation.

REVUE THOMMEN  
Manufacturer of mechanical and electronical aircraft instruments, used in military, commercial and business aviation.

The division Pressure Measuring Instruments is manufacturing the THOMMEN digital and pneumatic Calibrators as well as the handheld and panel manometers.

REVUE THOMMEN is a certified company:

ISO 9001:2000

REVUE THOMMEN AG  
CH-4437 Waldenburg  
Switzerland  
Telefon +41 61-965 22 22  
Telefax +41 61-961 81 71

www.thommenag.ch  
info@thommenag.ch