

Product information

Handheld

**G 1107 Fine Manometer**  
**G 1113 Manometer**

With integrated sensor



- Modern and functional design – pocket-size
- Excellent price/performance ratio
- 3-line backlit display / overhead display at the push of a button
- Waterproof (IP67 excl. pressure ports)
- Robust, long battery operation time
- Easy to use universal pressure port with exchangeable connections
- High resolution and precision
- Very fast!
- Calibration options/ traceable
- Made in Germany

**Characteristics**

The primary focus in the development of the new G 1100 series was placed on the essential functions of the measurement technology. The heart of the instrument – the sensor – is a high-class component – which excels in this instrument class.

The high reliability, speed and precision of the G 1100 variants, packed in a compact and water protected housing makes the instruments an ideal partner of industry and craft sector, Made in Germany.

**G 1100 Series – The reference class in pocket size.**

**G 1107**

Fine pressure manometer for application in Heating / Ventilation / Air-conditioning (HVAC)

The measurement range up to 200 hPa (mbar) / 20 kPa and the high resolution up to 0.1 Pascal in the optimized fine pressure mode covers the main applications for gas pressure 150 hPa (mbar) and burner adjustments with a single instrument. The high precision simplifies e.g. adjustments of dynamic pressure or draft measurements. The measurement is independent of instruments orientation – better than many, even much more expensive, competitors.

**G 1113**

The sister device of the extremely high-resolution G 1107 is the first choice when differential pressures  $\pm 200$  hPa (mbar) are to be measured. Up to  $\pm 2000$  hPa are covered precisely and with high resolution (up to 0.01 hPa or 0.1 Pascal in optimized fine pressure mode).

**NEW: UNIVERSAL-PORTS** for use with a large range of pressure connections: Screw fitting, Quick-Connect, Push-Pull: All these types can be connected to the instrument! You have the choice, which connection is most practicable for you – instrument keeps the same. Increased resolution of 0.1 Pascal at high precision for finest pressure adjustments.

**Connection options**

- ① UT connection for tubes 6 x 1 mm (4 mm inner) and 8 x 1 mm (6 mm inner)
- ② QC6 Quick-Connect connection for 6 x 1 mm (Ø 4 mm inner) tubes
- ③ ST6 screw connection for 6 x 1 mm (Ø 4 mm inner) tubes
- ④ MCM mini male quick coupling for female quick coupling ⑤

Please select variant when ordering. Can be changed later.



Universal port for the connection of different pressure connections.

The pressure connection is exchangeable due to 1/8 inch port!

**Product information**

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**Technical data**

	<b>G 1107</b>	<b>G 1113</b>
Description	Fine Manometer	Manometer
Measuring	Difference	
Pressure connection	2 tube connections, interchangeable with G1/8 universal ports	
Ranges / resolution	choice from -2000..+2000 Pa to -200.0..+200.0 hPa (mbar) (FINE: -200.0..+200.0 Pa)	choice from -200.0..+200.0 hPa to -2000..+2000 hPa (mbar) (FINE: -2000..+2000 Pa)
Display units	Pa, hPa, mbar, PSI, mmHg (Torr)	[FINE: Pa], hPa, mbar, bar, PSI, mmHg (Torr)
Measuring frequency	Slow: 2.5 measurements per second Fast: 25 measurements per second	
Precision typ. @ 25 °C	+/- 0.1 % FSS	+/- 0.1 % FSS
Precision max. (-20..50 °C)	+/- 1 % FSS	+/- 1 % FSS
Max. overload	+/- 1700 hPa	+/- 3100 hPa
Display	3-line segment LCD, additional symbols, illuminated (white, illumination time adjustable), overhead display on key press	
Standard functions	Min/Max/Hold, Auto-Power-Off-function / if activated, the product switches off automatically	
Optional special functions	NULL / Tare function	
	FINE: With 0.1 Pa resolution	FINE: With 1 Pa resolution
	AVR: Averaging over 2 s / 5 s / 10 s	
Adjustment	Zero point and slope	
Housing	Break-proof ABS housing, protection rating IP67 (pressure connections must be protected from soiling and moisture), dimensions L x W x H: 108 x 54 x 8 mm without pressure connection, weight: 150 g incl. battery	
Operating conditions	-20 to +50 °C; 0 to 95 % r.h. temporarily 100 % r.h.)	
Storage temperature	-20 to +70 °C	
Power supply	2 x AA battery (included in the scope of delivery), current consumption: ca. 1 mA (slow measurement SLO), battery life ca. 3000 h, battery indicator: 4-stage charge status indicator, note for low charge level: "BAT LO"	

**Ordering code**

G11  1.  2.  3.

1. Measuring range / pressure connection	
07	-2000..2000 Pascal (-20.00..20.00 mbar) -200.0..200.0 mbar dif
13	-200.0..200.0 mbar -2000..2000 mbar dif
2. Connection option	
UT	incl. connection for tube 6 x 1 mm (4 mm inner) or 8 x 1 mm (6 mm inner)
QC6	incl. quick-connect adapter for 6 x 1 mm (Ø 4 mm inner) tubes
ST6	incl. screw type port adapter for 6 x 1 mm (Ø 4 mm inner) tubes
MCM	incl. mini quick coupling
3. Set option	
	Device only
SET	Measuring device, 1 m tube 6 x 1, suitcase GKK 1002
SET 8	Measuring device, 1 m Silicone tube 8 mm, suitcase GKK 1002

**Accessories**

- Protection bag with belt clip: ST-G1000, Art.No. 611373
- Metal belt clip self-adhesive: GCLIP1000, Art.No. 475820
- Connectors 1/8 Zoll: GDZ-UT, GDZ-QC6, GDZ-ST6, GDZ-MCM
- Tubes: PVC tube 6/4 : GDZ-01  
Silicone tube 8/5 : GDZ-31
- Hose protection for pressures over 1 bar: GDZ-19, Art.No. 601576

**Optional**

- ISO calibration certificate: 5 points rising, 5 points falling: ISO-WPD5, Art.No. 602514