

Product information

Handheld

G 1111 Baro-Vacuummeter
G 1114 Barometer

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)
- 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 1111

Barometer / Manometer for fast measurements in vacuum.
 Fast and precise for example to test vacuum packaging machines: Just pack the instrument and read the display – finish!
 As well suitable for monitoring vacuum cast processes. With the min-value function, the result can be read even after taking the instrument out of the packaging.

NEW: Increased precision in vacuum even over varying temperature!

G 1114

Barometer wide range, high resolution.
 Covers pneumatic range with resolution of 1 mbar!
 Can be used as relative instrument (use tare function at zero pressure) or as absolute instrument (starts at ambient pressure, e.g. 970 mbar = 970 hPa).

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!

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Technical data

	G 1111	G 1114
Description	Barometer / Vacuummeter	Barometer
Measuring	Absolute pressure	
Pressure connection	one tube connection, interchangeable with G1/8 universal port	
Ranges / resolution	0.0..1700.0 hPa (mbar)	0..14000 hPa (mbar)
Display units	hPa, mbar, PSI, mmHg (Torr)	hPa, mbar, bar, PSI, mmHg (Torr)
Measuring frequency	Slow: 2.5 measurements per second Fast: 25 measurements per second	
Precision type.	+/- 2 hPa (@ 0..50 °C)	+/- 0.1 % FSS bzw. +/-0.1 % v.MW. (@ 25 °C)
Genauigkeit max. (-20..50 °C)	+/- 0.25% FSS	+/- 0.5 % v. MW +/- 0.1 % FSS
Max. overload	2500 hPa abs.	20000 hPa abs.
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	Sea level correction, NULL/Tare function, AVR: Averaging over 2 s / 5 s / 10 s	
Adjustment	Zero point and slope	
Housing	Break-proof ABS housing, protection rating IP67, dimensions L x W x H: 108 x 54 x 28 mm without pressure connection, weight: 140 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	
11	0.0..1700.0 hPa abs
14	0..14000 hPa abs
2. Connection option	
UT	incl. connection for tube 6x1 mm (4 mm inner) or 8 x 1 mm (6 mm inner)
QC6	incl. quick-connect adapter for 6 x 1mm (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 6x1, 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
- Connectors: 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 certificates: 5 points rising, 5 points falling: ISO-WPD5, Art.No. 602514