

Product information

Handheld

G 1110 Precision Barometer/ Altimeter

With integrated sensor



- Modern and functional design – pocket-size
- 3-line backlit display
- Waterproof (IP67)
- High resolution and precision for ambient pressure and altitude
- Configurable sea level correction
- Altimeter function with comfortable altitude adjustment
- Tendency display, usable as variometer
- Calibration options/ traceable
- Robust, long battery operation time
- 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.

For fast measurements in meteorology, aviation and motor sports, hiking, cycling and many more.

Fast, precise and high resolution:

Resolution 0.1 hPa (mbar) and resolution of the altitude display derived from pressure 0.1 m!

As a reference for countless devices with integrated barometric sensor.

Barometric sensors are used in countless applications: examples are vehicles with combustion engines (air pressure as an important parameter for engine control), altimeters (calculation of altitude using barometric altitude formula), navigation systems, smartphones and of course in weather stations.

But is the absolute pressure displayed correct?

Thanks to the traceability of the instruments via optional calibration certificates (ISO 17025, DAkkS), the barometer serves as a perfect reference instrument for checking the actual accuracy of corresponding devices.

Technical data

Ranges	Barometer	300.0 .. 1100.0 hPa (mbar) abs. 4.350 .. 15.950 PSI abs. 225.0 .. 825.0 mmHg (Torr) abs.
	Altimeter	-500.0 .. 9000.0 m -1640 .. 19999 ft
	Temperature	-20.0 .. 50.0 °C -4.0 .. 122.0 °F
Precision	Barometer	Typ.: ± 1 hPa (at T: 0 .. 30 °C) max.: ± 0.25 % FSS equals ± 2 hPa
	Altimeter	Typ. ± 1 m rel. (over a short time with const. ambient pressure @ 25°C)
	Temperature	Typ. ± 0.5 °C @ 25°C
Measuring frequency		<i>FPS</i> : 10 measurements per second <i>SL</i> : Ca. 1 measurement per second
Overload		4000 hPa abs.
Pressure connection		No connection, integrated sensor Pressure compensation via membrane
Display		3-line segment LCD, additional symbols, backlight
Standard functions		Min/Max/Hold Auto-Power-Off-Function Tendency display, time base selectable (1s, 60s, 1h, 3h) Only as Altimeter: The covered altitude meters are calculated (ascent <i>ASL</i> , descent <i>dESL</i> , resolution 1m)
Additional functions		<i>nulL</i> : Tare-function, respectively comfortable altitude setting <i>AVr</i> : Averaging over 2 s / 5 s / 10 s Only as Altimeter: Variometer display can be shown with ft/h, m/s, m/h.
Adjustment		Zero point and slope
Housing		Break-proof ABS housing
	Protection	IP67
	Dimensions	108 * 54 * 28 mm (L*B*H)
	Weight	140 g incl. battery
Operating conditions		-20 to 50 °C; 0 to 95 % r.F. (short-term dewing possible)
Storage temperature#		-20 to 70 °C
Power supply		2*AA batteries (in scope of supply)
		Operation time ca. 6000 h (measurement mode SLO)
		4-stage charge status indicator, note for low charge level: "BAT LO"
Auto-Power-Off-Function		If activated, instrument powers down automatically

Product information

Ordering code

1.
G1110

1. Set option	
	Device only
SET	Measuring device, suitcase GKK 1002
WPD	Measuring device, suitcase GKK 1002, WPD5 calibration certificate

Accessories

- Protection bag with belt clip: ST-G1000, Art.No. 611373
- Metal belt clip self-adhesive: GCLIP1000, Art.No. 475820
- G 1000 table base and wall suspension
G1000_BASE, Art.No 481885

Optional

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



Top view with pressure equalization openings