

BAROMETER



GPB 3300

Product-ID: 600129
300.0 ... 1100.0 mbar abs.

Functions:

- manual offset and slope adjustment
- sea level-adjustment possible
- 2 measuring units selectable: mbar, mmHg
- Auto-off-function: 1 ... 120 min

Specifications:

Measuring ranges:	300.0 ... 1100.0 mbar (hPa) abs. 225.0 ... 825.0 mmHg abs.
Max. Overload:	4000 mbar or 3000 mmHg
Accuracy: (at nominal temperature)	± 2.0 mbar (typ. at 0 - 50 °C)
Sensor:	piezoresistive abs. pressure sensor integrated in housing.
Nominal temperature:	25 °C
Operating temperature:	-25 ... 50 °C, 0 ... 95 % RH (non-condensing)
Display:	4½-digit, 12 mm high LCD-display
Pushbuttons:	3 membrane key for ON/OFF, min-/max-value memory, tara, etc.
Power supply:	9 V battery
Power consumption:	approx. 60 µA (= 5000 operating hours)
Zero point-adjustment:	manually
Slopeadjustment:	manually
Sea level correction:	Barometric values can be converted to sea level (therefore the input of the current altitude is needed).
Housing:	impact resistant ABS housing
Dimensions:	approx. 106 x 67 x 30 mm (H x W x D)
Weight:	approx. 135 g (incl. battery)
Scope of supply:	Device, battery, manual

Accessories and spare parts:

- GKK 252**
Product-ID: 601056
small case (235 x 185 x 48 mm) with foam lining
- GB 9 V**
Product-ID: 601115
spare battery

ALTIMETER / BAROMETER / THERMOMETER
PRECISION BAROMETER

GTD 1100

Product-ID: 600132
300.0 ... 1100.0 mbar abs. + Altimeter

General:

- Device for simple determination of a building size (steeples, skyscrapers, bridges, etc.)
- **further application areas:**
hiking, hang gliding, cycling, motorsports, etc.

Functions:

- manual offset and slope-adjustment
- sea level-adjustment possible
- tendency-meter, summing-function (ascendency, descendency, overall)
- over 6.000 operating hours

Specifications:

Measuring ranges:	
Temperature:	-10.0 ... +50.0 °C, or 14.0 ... +122.0 °F,
Pressure:	300.0 ... 1100.0 mbar abs. or 225.0 ... 825.0 mmHg abs.
High:	-500 ... -200 m, res. 1 m or -1640 ... -655 ft, res. ~5 ft -200 ... 2000 m, res. 0.5 m or -654 ... 1999 ft, res. ~2 ft 2000 ... 9000 m, res. 1 m or 2000 ... 19999 ft, res. ~5 ft
Measuring units:	hPa / mbar, mmHg, °C, °F, m, ft
Max. Overload:	pressure: 4000 mbar or 3000 mmHg
Accuracy: (at nominal temperature = 25 °C)	
Temperature:	±1 % FS ± 1 digit
Absolute pressure:	±1.5 mbar ±1 digit (750 ... 1100 mbar), with certificate of calibrati- on: ±0.5 mbar ± 1 digit
Sensor:	absolute pressure sensor, integrated in housing.
Operating conditions:	-10 ... +50 °C; 0 ... 80 % RH (non condensing)
Storage temperature:	-20 ... +70 °C
measuring- frequency:	1 measuring / s
Display:	approx. 12 mm high, 4½-digit LCD-display
Sum function:	The covered altitude can be displayed (ascent, descent, total)
Tendency indicator (for barometer):	Air pressure rising/falling

FOR PROFESSIONAL USAGE IN MEASUREMENT
TECHNOLOGY AS WELL
AS IN SPARE TIME SPORTS

Sea level correction:	Barometric values can be converted to sea level (therefore the input of the current altitude is needed).
Pushbuttons:	keypad (3 push-buttons) for On/ off, min/max-value, tara-function, zero-, slope-, and sea level-ad- justment slide switch for unit selection.
Power supply:	9 V battery
Power consumption:	approx. 50 µA (= over 6.000 operating hours)
System Notifications:	permanent self-diagnosis and error indication.
Housing:	impact resistant ABS housing
Dimensions:	approx. 106 x 67 x 30 mm (H x W x D)
Weight:	approx. 135 g (incl. battery)
Scope of supply:	Device, battery, manual

Accessories and spare parts:

- GB 9 V**
Product-ID: 601115
spare battery
- ISO-WPD 5**
Product-ID: 602514
5 points rising, 5 points falling
- GKK 252**
Product-ID: 601056
small case (235 x 185 x 48 mm) with foam lining

calibration certificate, p.r.t. page 7