



## DIGITAL-BAROMETER

### GPB 2300

Device ready for use incl. battery

#### Functions:

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

#### Specification:

##### Measuring ranges:

0 ... 1300 mbar (hPa) abs.

0 ... 975 mmHg abs.

**Max. Overload:** 2000 mbar resp. 1500 mmHg

**Accuracy:** (at nominal temperature)  
± 0,25 % FS hysteresis and linearity

± 0,5 % FS temperature drift from 0 to 50°C

**Sensor:** piezoresistive abs. pressure sensor integrated in housing.

**Nominal temperature:** 25°C

**Operating temperature:** -25 to 50 °C

**Display:** 3½-digit, 13mm high LCD-display

**Pushbuttons:** 3 membrane key for ON/OFF, min-/max-value memory, tara, etc.

**Power supply:** 9V battery type IEC 6F22

**Power consumption:** approx. 120 µA  
(= 2500 operating hours)

**Low battery warning:** „BAT“, automatic

**Housing:** impact resistant ABS housing

**Dimensions:** approx. 106 x 67 x 30 mm (HxWxD)

**Weight:** approx. 135 g (incl. battery)

**Sea level-adjustment:** barometric air pressure can be displayed null based even at sea level. (the pressure-adjustment is entered in metres above "null")

**Auto-Off-Function:** 1...120min (can be deactivated either).

**Min./Max. value memory:** Memorizing of max. and min. values.

**Zero point-adjustment:** automatically

**Slope-adjustment:** manually

**Tare function:** Display value and min-/max value are set to null.

#### Accessories:

**GKK 252** small case  
(235 x 185 x 48 mm) with foam lining

**GB 9 V** spare battery

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## altimeter / barometer / thermometer

### GTD 1100

Device ready for use incl. battery

#### Functions:

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

#### Specification:

##### Measuring ranges:

Temperature: -10,0 ... +50,0°C, Res. 0,1°C or 14,0 ... +122,0°F, Res. 0,1°F

Pressure: 300,0 ... 1100,0mbar, Res. 0,1mbar or 225,0 ... 825,0mmHg, Res. 0,1mmHg

High: -500 ... -200m, Res. 1m or -1640 ... -655ft, Res. ~5ft

-200 ... 2000m, Res. 0.5m or - 654 ... 1999ft, Res. ~2ft

2000 ... 9000m, Res. 1m or 2000 ... 19999ft, Res. ~5ft

**Measuring units:** hPa / mbar, mmHg, °C, °F, m, ft

**Max. Overload:** pressure:4000 mbar resp. 3000 mmHg

**Accuracy:** (at nominal temperature = 25°C)

Temperature: ±1% FS ± 1digit

Absolute pressure: ±1.5mbar ±1 digit (750...1100mbar), with certificate of calibration: ±0.5mbar ± 1digit

**Sensor:** piezoresistive absolute pressure sensor, integrated in housing.

**Nominal temperature:** 25°C

**Operating conditions:** -10 to 50°C; 0 to 80% r.F. (non condensing)

**Storage temperature:** -20 to 70°C

**measuring-frequency:** 1 measurings / sec.

**Display:** approx. 12 mm high, 4½-digit LCD-display

**Controls:** keypad (3 push-buttons) for On/off, min/max-value, tara-function, zero-, slope-, and sea level-adjustment slide switch for unit selection.

**Power supply:** 9V battery type IEC 6F22 (included)

**Power consumption:** approx. 50 µA (= over 6.000 operating heures with standard zinc carbon batteries)

**Low battery warning:** „BAT“, automatic in case of low voltage

**Housing:** impact resistant ABS housing, lucent screening grid. front IP65

**Dimensions:** approx. 106 x 67 x 30 mm (H x W x D)

**Weight:** approx. 135 g (incl. battery)

**Sea level-adjustment:** barometric air pressure can be displayed null based even at sea level. (the pressure-adjustment is entered in metres above "null")

**Tendency-meter:** for falling / rising air pressure

**Sum-function:** Displaying the elevation (in metres for ascendency, descendency, overall)

**Min./Max. value memory:** Memorizing of max. and min. values.

**Zero function:** Display-value, min-/max-value are set to null (altitude and air pressure)

**Auto-Off-Function:** 1...120min (can be deactivated either).

**Zero point- and slope-adjustment:** manual adjustment (for temperature and air pressure)

**Tare function:** Display- and min-/max-value are set to null.

**System Notifications:** permanent self-diagnosis and error indication.

#### Accessories:

**GKK 252** small case  
(235 x 185 x 48 mm) with foam lining

**GB 9 V** spare battery

## Precision barometer

for professional usage in measurement technology as well as in spare time sports

- resolution 0.1mbar
- for simple determination of a building size (steeples, skyscrapers, bridges, etc.)
- further application areas: hiking, hang gliding, cycling, motor-sports, etc.

**Certificate of calibration, WPD 5**  
5 points rising, 5 points falling

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calibration certificate, p.r.t. page 4