



### FINE MANOMETER for over/under pressure or pressure difference

#### GDH 200 - 07

0.00 to 19.99 / 199.9 mbar ( $\pm 199.9$  mbar)

Device ready for use incl. battery

##### Functions:

- Autorange
- Excellent zero point stabilisation
- Manual slope adjustment
- 4 selectable measuring units: Pa, mbar, mmHg, PSI
- automatic off-function: 1 ... 120 Min

##### Specification

###### Measuring range:

0.00 ... 19.99 resp. 20.0 ... 199.9 mbar (hPa)

0.00 ... 19.99 resp. 20.0 ... 150.0 mmHg

0.000 ... 1.999 PSI / 0 ... 1999 Pa

**Resolution:** automatic change 0.1 / 0.01

**Overload:** max. 500 mbar

**Accuracy:** (at nominal temperature = 25 °C and automatic Zero point-adjustment)

Measuring range: up to 200 mbar

$\pm 0,2$  % f.s. hysteresis and linearity

$\pm 0,4$  % f.s. temperature drift from 0 to 50 °C

Measuring range: up to 20 mbar

$\pm 1$  % f.s. hysteresis and linearity

$\pm 2$  % f.s. temperature drift from 0 to 50 °C

**Sensor:** piezoresistive relative pressure sensor

**Pressure connection:** 2 pressure port sockets made of nickel-plated brass, for flexible pressure tubings 6x1 mm (4 mm inner-diameter), approx. 11 mm protrusive.

**Working temperature:** -25 to 50 °C

**Display:** 3½ digit LCD display, approx. 13 mm high

**Pushbuttons:** 3 membrane keys

**Power supply:** 9V battery type JEC 6 F 22 (included)

**Power consumption:** approx. 250  $\mu$ A (= 1200 operating hours)

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

**Housing:** impact resistant ABS plastic housing

**Dimensions:** approx. 106 x 67 x 30 mm

(H x W x D) without pressure port sockets

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

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

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

**Zero point-adjustment:** automatically

**Slope-adjustment:** manually

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

**Tubes, clamps, adapters, accessories, etc. p.r.t. pages 42/43, 56/58**



### MANOMETER for over/under pressure or pressure difference

#### GDH 200 - 13

0.0 to 199.9 / 1999 mbar ( $\pm 1999$  mbar)

Device ready for use incl. battery

##### Functions:

- Autorange
- Excellent zero point stabilisation
- Manual slope adjustment
- 3 selectable measuring units: mbar, mmHg, PSI
- automatic off-function: 1 ... 120 Min

##### Specification

###### Measuring range:

0.0 ... 199.9 resp. 200 ... 1999 mbar (hPa)

0.0 ... 199.9 resp. 200 ... 1500 mmHg

0.00 ... 19.99 PSI

**Resolution:** automatic change 1 / 0.1

**Overload:** max. 4000 mbar

**Accuracy:** (at nominal temperature = 25 °C and automatic Zero point-adjustment)

Measuring range: up to 2000 mbar

$\pm 0,2$  % f.s. hysteresis and linearity

$\pm 0,4$  % f.s. temperature drift from 0 to 50 °C

Measuring range: up to 200 mbar

$\pm 1$  % f.s. hysteresis and linearity

$\pm 2$  % f.s. temperature drift from 0 to 50 °C

**Sensor:** piezoresistive relative pressure sensor

**Pressure connection:** 2 pressure port sockets made of nickel-plated brass, for flexible pressure tubings 6x1 mm (4 mm inner-diameter), approx. 11 mm protrusive.

**Working temperature:** -25 to 50 °C

**Display:** 3½ digit LCD display, approx. 13 mm high

**Pushbuttons:** 3 membrane keys

**Power supply:** 9V battery type JEC 6 F 22 (included)

**Power consumption:** approx. 250  $\mu$ A (= 1200 operating hours)

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

**Housing:** impact resistant ABS plastic housing

**Dimensions:** approx. 106 x 67 x 30 mm

(H x W x D) without pressure port sockets

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

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

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

**Zero point-adjustment:** automatically

**Slope-adjustment:** manually

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

**Tubes, clamps, adapters, accessories, etc. p.r.t. pages 42/43, 56/58**



### VAKUUM-/BAROMETER and MANOMETER for absolute pressure

#### GDH 200 - 14

0 to 11000 mbar abs.

Device ready for use incl. battery

##### Functions:

- Sea level-adjustment possible
- suitable for relative pressure measurement (-1...10 bar) by use the zero function
- Manual slope and offset adjustment
- 4 selectable measuring units: mbar, mmHg, bar, PSI
- automatic off-function: 1 ... 120 Min

##### Specification

###### Measuring range:

0 ... 11000 mbar (hPa) abs.

0 ... 8250 mmHg abs.

0.000 ... 11.000 bar abs.

0.00 ... 160.00 PSI abs.

**Resolution:** 1 mbar, 1 mmHg, 0.001 bar, 0.02 PSI

**Overload:** max. 13 bar abs.

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

$\pm 3$  mbar or 0,1 % of m.v. (whichever is higher)

$\pm 0,3$  % f.s. temperature drift from 0 to 50 °C

**Sensor:** piezoresistive absolute pressure sensor

**Pressure connection:** pressure port socket made of nickel-plated brass, for flexible pressure tubings 6x1 mm (4 mm inner-diameter), approx. 11 mm protrusive.

**Working temperature:** -25 to 50 °C

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

**Pushbuttons:** 3 membrane keys

**Power supply:** 9V battery type JEC 6 F 22 (included)

**Power consumption:** approx. 40  $\mu$ A (= 7500 operating hours)

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

**Housing:** impact resistant ABS plastic housing

**Dimensions:** approx. 106 x 67 x 30 mm

(H x W x D) without pressure port socket

**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...120 min (can be deactivated either).

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

**Zero point-adjustment:** automatically

**Slope-adjustment:** manually

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

**Tubes, clamps, adapters, accessories, etc. p.r.t. pages 42/43, 56/58**