

FINE MANOMETER



FOR OVER/UNDER PRESSURE
OR PRESSURE DIFFERENCE

GDH 200-07

Art. no. 601254

0.00 ... 19.99 / 199.9 mbar (± 199.9 mbar) *1

Functions:

- Differential and relative pressure measurement
- Autorange
- Excellent zero point stabilisation
- Manual slope adjustment
- 4 selectable measuring units: Pa, mbar, mmHg, PSI
- automatic off-function: 1 ... 120 min

Specifications:

Measuring range:	0.00 ... 19.99 or 20.0 ... 199.9 mbar (hPa) 0.00 ... 19.99 or 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	± 0.2 % f.s. hysteresis and linearity, ± 0.4 % f.s. temperature drift from 0 ... 50 °C
Measuring range: up to 20 mbar	± 1 % f.s. hysteresis and linearity, ± 2 % f.s. temperature drift from 0 ... 50 °C
Sensor:	piezoresistive relative pressure sensor
Pressure connection:	2 pressure port sockets made of nickel-plated brass, for pressure tubings 6 x 1 mm (4 mm inner-diameter)
Working conditions:	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
Display:	3½ digit LCD display, approx. 13 mm high
Pushbuttons:	3 membrane keys
Power supply:	9 V battery
Battery life:	approx. 1200 h
Housing:	impact resistant ABS plastic housing, approx. 106 x 67 x 30 mm (H x W x D) +16 mm pressure port sockets
Weight:	approx. 135 g (incl. battery)
Zero point-adjustment:	automatically
Slope-adjustment:	manually
Scope of supply:	Device, battery, calibration protocol, manual

*1 measuring range possible by changing the pressure connection ports
Tubes, clamps, adapters, accessories, etc. p.r.t. page 86

MANOMETER



FOR OVER/UNDER PRESSURE
OR PRESSURE DIFFERENCE

GDH 200-13

Art. no. 601256

0.0 ... 199.9 / 1999 mbar (± 1999 mbar) *1

Functions:

- Differential and relative pressure measurement
- Autorange
- Excellent zero point stabilisation
- Manual slope adjustment
- 3 selectable measuring units: mbar, mmHg, PSI
- automatic off-function: 1 ... 120 min

Specifications:

Measuring range:	0.0 ... 199.9 or 200 ... 1999 mbar (hPa) 0.0 ... 199.9 or 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	± 0.2 % f.s. hysteresis and linearity, ± 0.4 % f.s. temperature drift from 0 ... 50 °C
Measuring range: up to 200 mbar	± 1 % f.s. hysteresis and linearity, ± 2 % f.s. temperature drift from 0 ... 50 °C
Sensor:	piezoresistive relative pressure sensor
Pressure connection:	2 pressure port sockets made of nickel-plated brass, for pressure tubings 6 x 1 mm (4 mm inner-diameter)
Working conditions:	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
Display:	3½ digit LCD display, approx. 13 mm high
Pushbuttons:	3 membrane keys
Power supply:	9 V battery
Battery life:	approx. 1200 h
Housing:	impact resistant ABS plastic housing, approx. 106 x 67 x 30 mm (H x W x D) +16 mm pressure port sockets
Weight:	approx. 135 g (incl. battery)
Zero point-adjustment:	automatically
Slope-adjustment:	manually
Scope of supply:	Device, battery, calibration protocol, manual

*1 measuring range possible by changing the pressure connection ports
Tubes, clamps, adapters, accessories, etc. p.r.t. page 86

VAKUUM- / BAROMETER OR
MANOMETER

FOR ABSOLUTE PRESSURE

GDH 200-14

Art. no. 601258

0 ... 11000 mbar abs.

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

Specifications:

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)	± 3 mbar or 0.10 % of m.v. (whichever is higher); ± 0.3 % f.s. temperature drift from 0 ... 50 °C
Sensor:	piezoresistive absolute pressure sensor
Pressure connection:	2 pressure port sockets made of nickel-plated brass, for pressure tubings 6 x 1 mm (4 mm inner-diameter)
Working conditions:	-25 ... +50 °C, 0 ... 95 % RH (non-condensing)
Display:	4½ digit LCD display, approx. 12 mm high
Pushbuttons:	3 membrane keys
Power supply:	9 V battery
Battery life:	approx. 7500 h
Sea level correction:	Barometric values can be converted to sea level (therefore the input of the current altitude is needed).
Housing:	impact resistant ABS plastic housing, approx. 106 x 67 x 30 mm (H x W x D) +16 mm pressure port sockets
Weight:	approx. 135 g (incl. battery)
Zero point-adjustment:	manually
Slope-adjustment:	manually
Scope of supply:	Device, battery, calibration protocol, manual

Tubes, clamps, adapters, accessories, etc. p.r.t. page 86