



DIGITAL PRECISION MANOMETER



The new generation
Lightweight · more compact · low-priced

DM 9200

For precise pressure-, low pressure- and differential pressure-measurement



Digital Precision Manometer DM 9200

Suitable for continuous measurement of pressure, low pressure and differential pressure in non-aggressive gases, as e. g. gas flow pressure, nozzle pressure, combustion chamber pressure, chimney draft.

Standard measuring ranges: ± 350 hPa (mbar) or ± 1000 hPa (mbar) or ± 130 hPa (mbar)

High precision measuring range: ± 75 hPa (mbar) and ± 750 Pa

Features:

- ▶ Micro processor controlled piezoresistive pressure sensor
- ▶ Zero point adjustment via software
- ▶ Pressure unit selection in hPa, mbar, bar, psi, mm Hg, inch HG, cm H₂O, inch H₂O
- ▶ Automatic temperature compensation via micro processor
- ▶ Well legible LCD display
- ▶ Infrared interface for printer
- ▶ Measuring data memory for 20 measurements
- ▶ Minimum/maximum value memory
- ▶ Programmable average value calculation
- ▶ ABS case with rear magnetic plate

Advantages:

- ▶ Easy handling due to a compact and lightweight case and a large display
- ▶ All functions of the logical software can be operated with only 3 keys
- ▶ Additional data integrity of measurements through print and memory function
- ▶ The programmable average value calculation permits a "smoothing" of highly fluctuating measuring values in the Pa range
- ▶ The high precision version including the long-term stable sensor is especially suitable for the very sensitive low pressure range

Technical data:

▶ Measuring range ± 75 hPa (mbar)

– 99,9 Pa ... + 750 Pa

▶ resolution 0,5 Pa

– 750 Pa ... – 100 Pa

▶ resolution 1,0 Pa

from 7,5 hPa ... + 75,00 hPa

▶ resolution 3 Pa

indication up to 750 Pa in Pa,

from 7,5 hPa to 75 hPa in hPa,

automatic switch

precision: ± 1 % FS

repeatability: ± 1 % FS

▶ Measuring range ± 130 hPa

– 130 hPa... + 130 hPa

▶ resolution 0,1 hPa

– 20 hPa... + 20 hPa

▶ resolution 1 Pa

precision: ± 2 % FS

repeatability: $\pm 0,5$ % FS

▶ Measuring range ± 350 hPa

– 350 hPa ... + 350,0 hPa

▶ resolution 1,0 hPa

precision: ± 2 % FS

repeatability: ± 1 % FS

▶ Measuring range

– 999 hPa ... 1000 hPa

▶ resolution 1,0 hPa

precision: ± 2 % FS

repeatability: ± 1 % FS

▶ Media

all non-aggressive media

▶ connection pressure/low pressure:

hose coupling \varnothing 8,0 mm

silicone hose \varnothing 6 x 2 mm

+ for pressure

– for low pressure

▶ power supply:

2 x Mignon LR6 AA batteries

▶ operation temperature:

+5 °C to +40 °C

▶ storage temperature:

–10 °C bis +50 °C

▶ case:

ABS case with rear magnetic plate

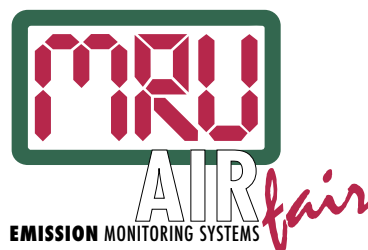
▶ dimensions:

width x height x depth: 84 x 139 x 24 mm

weight: approx. 250 g

Ordering data:

Measuring range	Art. No.
± 75 hPa	912002
± 130 hPa	912004
± 350 hPa	912001
± 1000 hPa	912000
Plastic case with foam inserts	58221
Transparent silicone hose \varnothing 6 x 2	50482



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