

# ManoAir100

## Digital hand-held micromanometer

Whether in method, process engineering or in medical technology, in system construction, in power stations, gas or water works, in refuse incineration plants and heating, refrigeration and air conditioning systems, in machine construction, in the chemical or the automotive industry: In countless areas of application, devices and apparatus are in operation which require periodic monitoring and checking. With the digital hand-held micromanometer **ManoAir100**, relative and differential pressure values of instrument air and inert gases up to 20 kPa can be measured accurately, simply and quickly.

large LCD display, differential pressure indication in four selectable units of measurement, maximum value storage and mean value display (2s - 2h), conversion to velocity (m/s) plus analogue outputs for pressure and flow. Data transfer is additionally guaranteed with a connection facility to the Schiltknecht Mini2Logger.

As an option, the compact and dependable **ManoAir100** operates with an external mains supply unit or battery supply.

As standard fit the **ManoAir100** includes a

	Measuring range	Resolution	Accuracy
<b>ManoAir100 Mod. 1</b> 100% measuring range	+/- 2000 Pa	1 Pa	< 100 Pa +/- 3 Pa + 0,07 rdg. > 100 PA +/- 10 Pa
<b>ManoAir100 Mod. 2</b> 100% measuring range	+/- 20 kPa	0.01 kPa	< 100 Pa +/- 0,03 kPa + 0,07 rdg. > 100 Pa +/- 0,01 kPa
<b>Overload capacity</b> <b>Pressure connections</b> <b>Measuring media</b> <b>Units of measurement</b>  <b>Display</b> <b>Measuring rate</b> <b>Supply</b> <b>Battery</b> <b>Current consumption</b> <b>Battery life</b> <b>Outputs</b>  <b>Case dimensions</b> <b>Case protection type</b> <b>Weight</b> <b>Operating temp.</b> <b>Storage temperature</b> <b>Air humidity</b> <b>Max. static pressure</b> <b>Working standard</b>	0.8 bar without ventilation, above 0.8 bar via a mech. vent valve push-on nipple for 3 mm int. dia. hose dry instrument air or inert gases <b>Pressure:</b> Pa / kPa, mbar, mmH <sub>2</sub> O <b>Flow:</b> m/s LCD 4 digit 2 measurements / sec. Battery (1 x 9 Volt) or external mains supply Leclanché LR22-9 V approx. 15 mA approx. 12 h <b>Pressure:</b> 0 - 1 - 2 Volt <b>Flow:</b> 0 - 1 - 2 Volt signal output for <b>Mini2Logger</b> (interval 0.5 sec) 150 x 80 x 40 mm IP 40 approx. 300 gram 0 to 50°C -30 to 80°C 0 to 90% rh, non-condensing 0.8 bar without ventilation, above 0.8 bar via a mech. vent valve Betz Micromanometer at 22°C / 960 hPa		

Customer special version on demand.

Specifications subject to change without notice.