



## ManoAir100

Convenient instrument for measuring differential pressures with gaseous media.

### Features specific to the instrument:

- 2 models:  
Measuring range  $\pm 2000$  Pa  
Measuring range  $\pm 20$  kPa
- Selectable units of measurement for pressure: Pa / kPa, mbar, mmH<sub>2</sub>O
- Display of rate of flow in m/s per keystroke
- Mean, minimum and maximum values per keystroke
- Automatic temperature compensation of the pressure sensor
- Analogue output and Mini2Logger connections as standard



SCS Schweizerischer Kalibrierdienst  
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Swiss Calibration Service

SCS 046



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.

As standard fit the **ManoAir100** includes a

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## Digital hand-held micromanometer

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.

	Measuring range	Resolution	Accuracy
<b>ManoAir100 Mod. 1</b> 100% measuring range	± 2000 Pa	1 Pa	< 100 Pa ± 3 Pa + ± 0,10 rdg. > 100 PA ± 10 Pa + ± 0,10 rdg
<b>ManoAir100 Mod. 2</b> 100% measuring range	± 20 kPa	0.01 kPa	< 100 Pa ± 0,03 kPa + ± 0,10 rdg. > 100 Pa ± 0,01 kPa + ± 0,10 rdg.
Pressure connections Measuring media Units of measurement Display Measuring rate Supply Battery Current consumption Battery life Outputs  Case dimensions Case protection type Weight Operating temp. Storage temperature Air humidity Max. static pressure Working standard	push-on nipple for 3 mm int. dia. hose dry instrument air or inert gases Pressure: Pa / kPa, mbar, mmH2O Flow: 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 Pressure: 0 - 1 - 2 Volt Flow: 0 - 1 - 2 Volt signal output for Mini2Logger (interval 0.5 sec)  145 x 80 x 40/30 mm IP 40 approx. 300 g 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 Pressure scale		

Customer special version on demand.

Specifications subject to change without notice.

**Schiltknecht**  
swiss precision

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