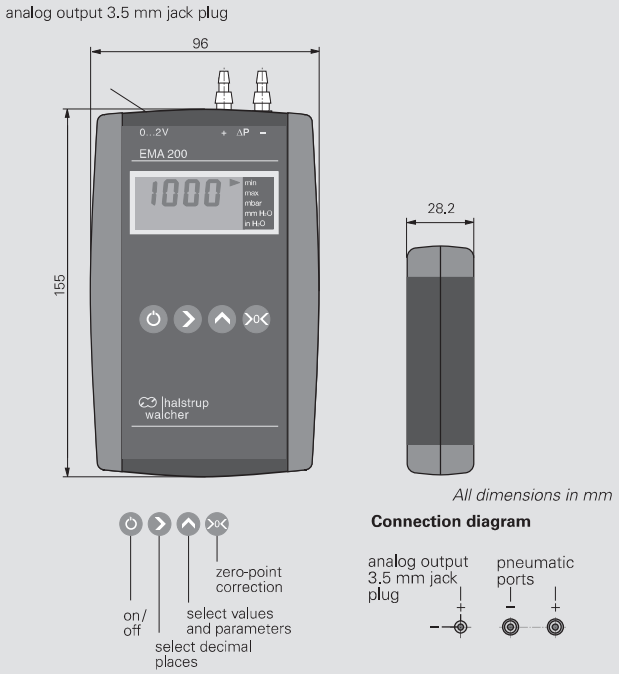
EMA 200





Features

- High-end pressure gauge for differential pressure and flow measurements
- Adjustable pitot factor and density
- Zero-point correction at the push of a button
- Min./max. value memory
- Temperature measurement
- Time constant (damping) adjustable for measuring of strongly fluctuating input pressures

Order code	A	B
EMA 200		

Measurement range			A
±200 Pa	(±2 mbar)	1.5..18 m/s	0
±2 kPa	(±20 mbar)	5..58 m/s	1
±20 kPa	(±200 mbar)	15..180 m/s	10
±200 kPa	(±2000 mbar)		100

Calibration certificate	B
none	0
Factory calibration	W
Calibration according to DKD R-6-1	D

Measurement accuracy [1]	±0.5 % FS at 22 °C
Temperature coefficient span	max. ±0.04 %/° C FS
Temperature coefficient zero point	max. ±0.04 %/° C FS (for gradual changes in temperature)
Overload capacity	10 x for measurement ranges ≤ 20 kPa 2 x for measurement ranges 200 kPa
Calculation of air speed (in m/s)	v = pitot factor*√((2*Δp)/air density) pitot factor and density adjustable, Δp = differential pressure at the pitot tube [Pa] with telescoping pitot tube
Zero-point correction	performed electronically by pressing zero-point key
Medium	air, all non-aggressive gases
Analog output	0..2 V (R_L ≥ 2 kΩ)
Display	3 ½ digit LCD, character height = 10 mm
Time constant (damping) (adjustable)	1..10 s
Operating temperature	0..50 °C
Storage temperature	-10..70 °C
Power supply	9 V battery (service life approx. 100 h) (display reads *"low bat"* when power falls below a certain minimum level); Switches off automatically after approx. 20 min.
Weight	approx. 0.4 kg
Pressure ports	for tubing NW 4 or 6 mm
Certificates	CE/UKCA

[1] Measurement accuracy for the reference 0.3 Pa, for measuring ranges ≤ ±1.5 kPa