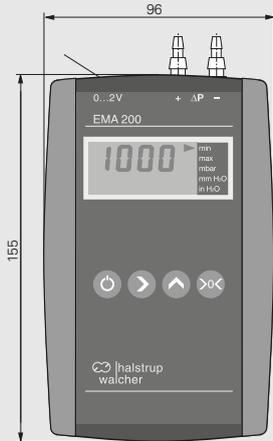




analog output 3.5 mm jack plug



All dimensions in mm

**Connection diagram**



**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			
<b>Measurement range</b>	<b>A</b>		
± 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
<b>Calibration certificate</b>	<b>B</b>		
none			0
Factory calibration			W
Calibration according to DKDR-6-1			D

Measurement accuracy <sup>1)</sup>	± 0.5 % FS at 22 °C
Temp.-dependent drift	max. ± 0.04 %/°C FS
Temp.-dependent drift	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)	$v = \text{pitot factor} \cdot \sqrt{(2 \cdot \Delta p) / \text{air density}}$ pitot factor and density adjustable, $\Delta p$ = 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 ( $R_L \geq 2 \text{ k}\Omega$ )
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

<sup>1)</sup> Measurement accuracy for the reference 0.3 Pa, for measuring ranges ≤ ± 1.5 kPa

## Accessories



**Shoulder bag EMA 200**  
Order no. 9074.0001

**Carrying bag EMA 84**  
Order no. 9063.0001  
(without LCD viewing window)  
Order no. 9064.0001  
(with LCD viewing window)



Silicone tubing ID 5 mm, AD 9 mm, red  
(please state length required)  
Silicone tubing ID 5 mm, AD 9 mm, blue  
(please state length required)  
Norpren tubing ID 4,8 mm, AD 8 mm, black  
(please state length required)  
Y-piece for tubing, NW 5mm  
Telescoping pitot tube for flow measurements (EMA 200)

**Order no.**  
9601.0003  
9601.0004  
9061.0002  
9601.0171  
9061.0193

### Telescoping pitot tube for flow measurements



Max. working length: 980 mm  
Min. working length: 250 mm  
Transport length: approx. 200 mm