

# SwemaAir 5

## Anemometer

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### SwemaAir 5

is an anemometer for air velocity, air flow and temperature. The instrument has a built-in barometer. Together with the temperature sensor SwemaAir 5 compensates for the air density.

The instrument suits a wide range of applications, such as air flow measurements in ducts and over grilles, checking air leakage at windows and measuring air velocity in fume cupboards.

Air flow is calculated from the air velocity and the cross section area using EN 16211 method ID 2. Max, min and average value is displayed.

#### Part.No.

**768480** SwemaAir 5, 2 IEC LR6 AA batteries, probe, 1...2 m spiral cable, calibration certificate & manual.

**763010** Extra calibration 20 & 30m/s

**768482** With 4 m straight cable incl. 1,5...2,5 m spiral cable. (Up to 50 m on request)



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## Technical Data

### Measurement range

Air velocity: 0,1...12 m/s, 19...2350 fpm  
 12...30 m/s, 2350...5900 fpm (extra calibration)  
 Temperature: -20...80 °C, -4...176 °F  
 Barometer: 600...1200 hPa

### Measurement uncertainty at 23 °C

±3% min ±0,04 m/s, min ±8 fpm  
 Temperature: ±0,3°C, ±0,5°F  
 Barometer: ±3 hPa

### Measurement uncertainty at 10...30 °C

±5%, min ±0,05 m/s, min 10 fpm  
 Barometer: ±3,5 hPa, ±0,1 inHg

### Measurement uncertainty at -20...80 °C

Temperature: ±1,0°C, ±1,8°F  
 Measuring method according to EN 16211 method ID 2.

(Uncertainty according to GUM (JCGM 100:2008) using a coverage factor of 2, which for a normal distribution corresponds to a probability of 95%. It is important to correct the measurement values with the corrections stated in the calibration certificate to obtain the above uncertainties.)

Non condensing, non moist air, <80%RH, non aggressive gases.)

### General

Resolution: 0,01m/s, 0,1°C, 1hPa  
 Calculated units: l/s, m3/h, cfm  
 Memory: 50 measurement protocols  
 Time and date for each measurement  
 Operating conditions: Non condensing, non moist air, <80 %RH, non aggressive gases.  
 Battery: 2 1.5V IEC LR6 AA batteries, standard or rechargeable  
 Display light  
 Output: USB to PC, output of online measurement or stored data.  
 Selectable time constant (0,5, 2, 10 s)  
 Size: 180x82x36 mm, 195x93x36 mm including probe  
 Probe size: Ø 8...10 mm probe: 66cm including 1...2 meter Spiral cable.  
 (Part.No. 768482 66cm probe with 4 m straight cable)  
 On demand 66 cm probe + 50 cm probe elongation including  
 1,5...2,5 m spiral cable  
 Weight: 500g

## Accessories



Universal Case  
 Part.No. 767190



Step drill **758560**  
 Inspection plug;  
**759670** Ø8 mm, **758540** Ø9 mm,  
**758810** Ø10 mm, **758550** Ø12 mm

Instrument holder **767520**  
 Smoke pen **570132**

**For full range of  
 accessories see  
[www.swema.com](http://www.swema.com)**



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