

SwemaAir 50/40



SwemaAir 50



Ventilation measurement instruments

SwemaAir 50 and 40 are highly accurate, professional thermoanemometers for air velocity, temperature and air flow*. The instruments are dynamically compensated for temperature and barometric pressure*. The design with protective aluminium casing and rubber ends gives a firm and comfortable grip. SwemaAir 50 and 40 are suitable for a wide range of measurements, such as ventilation balancing and checking, research, monitoring and documenting clean rooms and laminar air flow cabinets.

*only SwemaAir 50

SwemaAir 50 & 40:

- Selectable units: m/s or fpm, °C or °F. Time constant: 0.25, 0.5, 2 or 8 seconds, by push-buttons on SwemaAir 50 and PC-cable on SwemaAir 40.
- PC-port for online measurement output. Traceable calibration certificate.

Additional features of SwemaAir 50:

- Air flow measurements in l/s, m³/h or CFM. The area is entered into the instrument directly as an area, as diameter or as height x width. When using metric units automatic compensation by a duct factor (k_2) can be selected.
- Built in barometer compensates the air density due to variation in weather and altitude. Selectable continuous display of barometric pressure.
- Actual or standard air velocity / flow.
(Actual: fully density compensated. Standard: air at 1013hPa, 20°C, 68°F)
- Multiple-point measurements. Useful for duct and grill flow measurements.
- 100 multiple or single point measurements can be stored and transferred to PC.
- Average, max and min value.
- Automatic shut-off.
- Display light.



Part numbers:

- 762.620 SwemaAir 50 0,1...12 m/s including certificate
- 763.000 SwemaAir 40 0,1...12 m/s including certificate
- 763.010 Additional 12...30 m/s 15, 20, 30 m/s on certificate
- 763.050 220V adapter
- 763.060 Case to SwemaAir 50
- 763.040 PC-cable to SwemaAir 50
- 763.020 PC-cable converter to USB
- 763.200 Charger incl 4 NiMh batteries

Technical Data:

Velocity at 23°C:

- ±0,04 m/s at 0,1...2 m/s
- ±2% read value at 2...30 m/s

Velocity at 10...40°C:

- ±0,05 m/s at 0,1...2 m/s
- ±5% read value at 2...30 m/s

Temperature:

- ±0,2°C at 23°C
- ±1,0°C at -20...+80°C

Barometer (SwemaAir 50) at 23°C:

- 600...1200 hPa: ±2,0 hPa
- Alkaline battery life at 1 m/s: 40 h, (15 h light on)
- Weight 500 g
- Telescope: 7...10 , 660 mm long



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