

SwemaMan 80/60



Ventilation measurement instruments

SwemaMan 80 and 60 are highly accurate, professional micro manometers for differential pressure, air velocity and flowrate*. The design with protective aluminium casing and rubber ends gives a firm and comfortable grip. Both instruments have a 0,1Pa resolution, are very stable and the zero point is easily adjusted with a zero-button. SwemaMan 80 and 60 are suitable for a wide range of measurements, such as ventilation balancing and checking, research, and other high accurate measurements.

*only SwemaMan 80

SwemaMan 60 & 80:

- Measures differential pressure and air velocity with pito static pipe.
- Selectable units: Pa, m/s or fpm. Time constant: 0.25, 0.5, 2 or 8 seconds, by push-buttons on SwemaMan 80 and PC-cable on SwemaMan 60.
- PC-port for online measurement output. Traceable calibration certificate.

Additional features of SwemaMan 80:

- Flowrate measurements in l/s, m³/h or CFM. For ducts 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. For diffusers and valves the k-factor is used to present the flow.
- Built in barometer compensates the air density due to variation in weather and altitude. Selectable continuous display of barometric pressure.
- A built-in zero-valve allows zeroing with pressure connected.
- 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.
- 84 multiple or single point measurements can be stored and transferred to PC.
- Average, max and min value.
- Automatic shut-off.
- Display light.



Part numbers:

- 763.360 SwemaMan 80, -100...1500Pa including certificate
- 763.350 SwemaMan 60, -300...5000Pa including certificate
- 763.050 220V adapter
- 756.380 Case to SwemaMan 60, 80
- 763.040 PC-cable to SwemaMan 60, 80
- 763.020 PC-cable converter to USB
- 763.200 Charger incl 4 NiMH batteries



Technical Data:

SwemaMan 80: -100...1500 Pa,
2-50 m/s, 400...9.800fpm
l/s, m³/h, CFM
SwemaMan 60: -300...5000 Pa,
2-91 m/s, 400...17.900fpm

Differential Pressure at 23°C:

SwemaMan 80: ±0,3% rv, min. ±0,4 Pa
SwemaMan 60: ±1% rv, min ±0,4Pa

Differential Pressure at 0...50°C:

±3,3% rv, min. ±0,4 Pa

Barometer (SwemaMan 80) at 23°C:

±2,5 hPa, ±4 hPa at 0...50°C

Resolution 0,1Pa

Alkaline battery life: 75 hours

Batteries: 2 AA

Weight 400 g

rv = read value



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