

SwemaMan 8

Micromanometer

SwemaMan 8 is a micromanometer that measures differential pressure, air velocity and air flow.

It is a high accuracy instrument with 0,1 Pa resolution. Air flow is obtained by measuring the differential pressure over an ATD (Air terminal device) or valve using a k-factor. SwemaMan 8 can also measure air velocity with a pitot-static tube. Air flow is displayed from air velocities across an area. The methods are according to EN 16211. SwemaMan 8 has selectable time constant and displays max, min and average value. The measurements can be stored and transferred to a PC.

Automatic zeroing

The instrument has a built in zero-valve for automatic zero pressure check.

Automatic density compensation

SwemaMan 8 has a built-in barometer and thermo couple connector type K. The air flow and velocity measurements are compensated for correct air density into real or standard conditions.

Part.No. 768300

SwemaMan 8, thermo couple, 2 IEC LR6 AA batteries, calibration certificate & manual.



SWEMA AB
Pepparvägen 27
SE-123 56 Farsta, Sweden

Tel: +46 8 94 00 90
swema@swema.se
www.swema.com

Accessories



SwemaTwin Bluetooth
3000-8 modem
Part.No. 768730

SwemaTwin Bluetooth
repeater
766681

SwemaTwin Radio modem
See www.swema.com



Pitot static tube;
770390 1199mm, **769800** 768mm,
756411 479mm,
769900 & 769700 (Ø2,5mm) 284mm
Tube hook **758210**
Static tube 280mm **758220**
Squeezable hose **763680**
Silicone hose **762470**
Step drill **758560**
Inspection plug;
759670 Ø8 mm, **758540** Ø9 mm,
758810 Ø10 mm, **758550** Ø12 mm



Universal case **767190**

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

Further information and more accessories on www.swema.com

Technical Data

Measurement range

Differential

pressure: -100...1500Pa
0.4...6 inH₂O

Resolution: 0,1 Pa, 1 Pa at 1000...1500 Pa

Air velocity: 2...49m/s, 390...9600fpm (calculated)

Measurement uncertainty (at 23°C ±5°C)

Air flow: ±0.3% read value, min ±0,4Pa (after zeroing)

Measuring method according to EN 16211:2015 method ID 1, ST 1, ET 1, ID 3.

(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 uncertainty.

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

General

Time constant: 0,5 / 1 / 2 / 10 s

Calculated

units: l/s, m³/h, cfm, m/s, fpm

Memory: 50 single or multi-point measurements

Operating

conditions: 0...+50°C, non condensing, non moist air, <80%RH, non aggressive gases.

Battery: 2 AA batteries, one time or rechargeable

Battery operating time: Up to 150h (24h with display light turned on)

Output: USB to PC, output of online measurement or stored data.

Dimensions: 180x82x36mm

Weight: 384g

IP rating: IP50 (protects against dust)



SWEMA AB
Pepparvägen 27
SE-123 56 Farsta, Sweden

Tel: +46 8 94 00 90
swema@swema.se
www.swema.com