SwemaMan 7

Micromanometer

SwemaMan 7 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 7 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 7 has selectable time constant and displays max, min and average value. The measurements can be stored and transferred to a PC.

Density compensation
It is possible to set the temperature and barometric pressure to compensate the air flow and velocity measurements for correct air density into real or standard conditions.

Part.No. 768310
SwemaMan 7, 2 IEC LR6 AA batteries, calibration certificate & manual.

SWEMA AB
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www.swema.com

Accessories

Universal case
767190

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

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

Further information and more accessories on www.swema.com

Technical Data

Measurement range

Differential pressure:	-1000…9999Pa
Resolution:	0,1 Pa, 1 Pa at 1000...9999 Pa
Air velocity:	2...129m/s, 390…9999fpm (calculated)

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

Air flow: ±1% read value, min ±0,5Pa (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 ag gressive 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)

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