Air Flow Hoods

Proven sensor technology

Good accuracy

SwemaFlow 233

2...65 l/s

SwemaFlow 125D

2...125 l/s

"Backpressure method"

SwemaFlow 4000

5...1200 l/s

SwemaFlow 234

Extraction hood 2-65 l/s

Small throttling

Telescopic handle

Measures l/s or m^3/h

Hold function

SwemaFlow 125D

- Supply & Extraction hood 2-125 l/s
- Measures l/s or m^3/h
- Back Pressure (compensates for throttling)
- Air density compensation (built-in Barometer & temperature sensor)
- Large display
- Hold function & Memory
- Optional hoods (650x650mm, 250x650mm)

SwemaFlow 4000

- Supply & Extraction hood 5-1300 l/s
- Measures l/s or m^3/h
- Air density compensation (built-in Barometer & temperature sensor)
- Large display
- Hold function & Memory
- Optional hood (1200x250mm)

SwemaAir 50 & 40

Anemometers – Hot wire

SwemaAir 40

- Air velocity 0,1...12 m/s (optional 30 m/s)
- Temperature -20...80° C

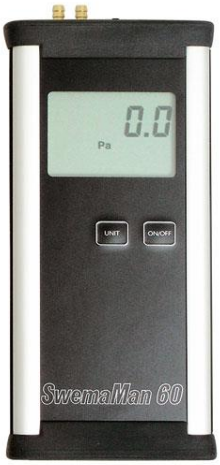
SwemaAir 50

- Air velocity 0,1...12 m/s (optional 30m/s)
- Temperature -20...80° C
- Barometer (built-in)
- Air flow in duct
- Automatic K_2-factor compensation
- Memory
- Illuminated display

SwemaMan 8, 7 & 60

Manometers – Differential pressure

SwemaMan 60



- Differential pressure -300...5000 Pa
- Air velocity – pitot pipe (approx. 2...91 m/s)

SwemaMan 8

- Differential air pressure
- Air velocity
- Air flow in duct or with k-factor
- Barometer (built-in)
- Automatic K_2-factor compensating
- Memory
- Illuminated display
- Magnetic valve (built-in, zeroing of pressure sensor)

SwemaTemp 20

Optional sensors for air, powder, liquid etc.

Fast sensors

Good accuracy (±0,3° C)

Swema 3000

- Universal instrument w/ exchangeable sensors
- Calibrated sensors
- 13 different measuring modes
- Memory, easy data transfer to PC via USB
- Logging
- Easy software up-dates
- Free PC software
- 3 alternative models

Swema 3000 – 3 models

Swema 3000

Swema 3000md & Swema 3000mdH+

”m” = Manometer
(built-in pressure sensor -300...1500 Pa)

”d” = Density
(built-in barometer & thermo couple connector Type-k)

”H+” = Expanded pressure range
(±10.000 Pa)

Swema 3000 - Sensors

Air velocity

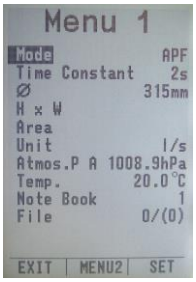
Differential pressure

Air flow

Swema 3000 - Sensors

Air humidity | Temperature | Draught

Swema 3000 – 13 Measuring modes



AP – Average Point
AS – Auto Sampling
ASF – Auto Sampling air Flow
APF – Average Point air Flow (inside duct)
DPF – Differential Pressure air Flow (w/ k-factor)
DPK – Proposed k-factor (measure k-factor for pre-set flow)
BP – Back Pressure (compensating for throttled flow with SwemaFlow 125)
CO – Comfort (w/ draught sensor)
LOG – Logging
LOGP – Logging of protocol

•Leakage tester:
- Building indoor
- Building outdoor
- Duct

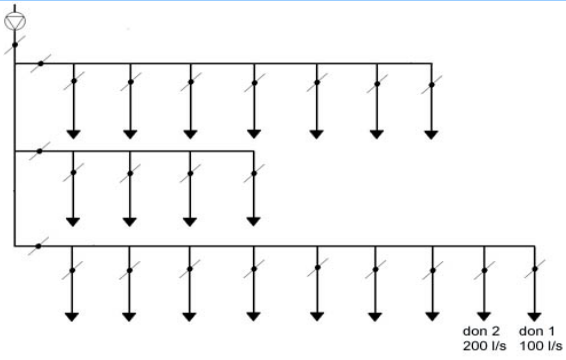
Half the time to balance

Swema 3000-SwemaTwin

Balance a ventilation system with the latest technology

- Work according to the Proportional method
- Wireless display of the reference value
- Calculation of the ratio
- Time saving
- BlueTooth

SwemaTwin proportional method



Ventilation balancing according the proportional method withSwemaTwin
Valve2 should be balanced to measured double the flow of valve 1. (200%).
Swema 3000 shows the flow that is measured on valve 2 together with the flow on flow the reference valve - valve 1. By using SwemaTwin there is no need to run back and forth between the valve that is to be balannced and the reference valve. Continue the same way on valve 3…9. Balance each branch to the correct relation within each branch. Then balance each branch proportional and finally adjust the total flow and each valve will have the correct flow.

Leakage testing

Building
Duct

Accessories for ventilation measurement

- Pitot pipes
- Silicone hose
- Smokepen
- Step drill
- Plugs
- Measurement hock
- Measurement probe
- Squeezable hose

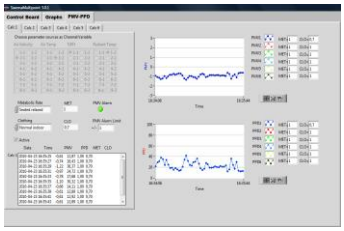
ISO 7730 – Thermal environment

Sensors:
Swema 03 Draught
Swema 05 Black globe
HygroClip2-S Humidity

Measurements:
Air temperature
Air velocity
Relative air humidity
Radiant air temperature

Outcome:
PMV (Predicted Mean Vote)
PPD (Predicted Procent Dissatisfied)
DR (Draugh index)
OT (Operative Temperatur)
Dew point, Mixing Ratio & Wet Bulb
WBGT (Wet Bulb Globe Temperature)

Direct connection to PC via USB or RS485



Swema MultiPoint PC program

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