

Specifications VentiFlow-mk2

| Parameters | Description | VentiFlow-mk2 with the | |
|------------|----------------------|------------------------|-------------------|
| | | FA 410 anemometer | FA 430 anemometer |
| | Flow velocity | ✓ | ✓ |
| | Volume flow | ✓ | ✓ |
| | Temperature | ✓ | ✓ |
| | Relative humidity | | ✓ |
| | Dew point | | ✓ |
| | Wet-bulb temperature | | ✓ |
| | CO ₂ | | ✓ |

| Ranges | Description | VentiFlow-mk2 with the | |
|--------|-------------------------------------|-----------------------------------|---|
| | | FA 410 anemometer | FA 430 anemometer |
| | Flow velocity | 0.5 – 30 m/s | |
| | Volume flow (operating volume flow) | up to 99.999 m ³ /h | |
| | Temperature | -20.0 °C – 60 °C (-4 °F – 140 °F) | |
| | Relative humidity | | 0.1% – 99.9% |
| | Dew point | | -20.0 °C – 59.9 °C (-4 °F – 139.82 °F) |
| | Wet-bulb temperature | | -20.0 °C – 59.9 °C (-4 °F – 139.82 °F) |
| | CO ₂ | | 0 – 9999 ppm |

| Resolution | Description | VentiFlow-mk2 with the | |
|------------|----------------------|---|-------------------|
| | | FA 410 anemometer | FA 430 anemometer |
| | Flow velocity | 0.1 m/s | |
| | Volume flow | 0.1 (0 – 9999.9) or 1 (10,000 – 99,999) | |
| | Temperature | 0.1 °C/F | |
| | Relative humidity | | 0.1% |
| | Dew point | | 0.1 °C/F |
| | Wet-bulb temperature | | 0.1 °C/F |
| | CO ₂ | | 1 ppm |

| Measuring uncertainties | Description | VentiFlow-mk2 with the | |
|-------------------------|-------------------|--|---|
| | | FA 410 anemometer | FA 430 anemometer |
| | Flow velocity | ±(1,5% of reading + 0,3 m/s) under 20 m/s ±(3% of reading + 0,3 m/s) above 20 m/s | |
| | Volume flow | Exhaust | <3 m ³ /h |
| | | Supply, homogeneous flow | <3 m ³ /h |
| | | Supply, clean sector | <5 m ³ /h |
| | | Exhaust, swirl diffuser (add 3% to the reading) | <5 m ³ /h |
| | Temperature | 0.6 °C / 1.1 °F | |
| | Relative humidity | | ±3% (at 25 °C / 77 °F) otherwise ±5% |
| | CO ₂ | | ± 30 ppm ±5% of reading (0 – 5000 ppm) |

| Miscellaneous | Description | VentiFlow-mk2 with the | |
|---------------|--|-------------------------------------|-------------------|
| | | FA 410 anemometer | FA 430 anemometer |
| | CO ₂ warm-up time | | 30 seconds |
| | Operating conditions (to avoid condensation) | 0 – 50 °C (32 – 122 °F), < 80% RH | |
| | Storage conditions | -10 – 50 °C (14 – 122 °F), < 90% RH | |
| | Power supply | 4 micro batteries AAA | |
| | Battery life | at least 40 hours | at least 24 hours |
| | Fan anemometer dimensions | 269 x 106 x 51 mm | |
| | Fan diameter | Ø 10 cm | |
| | Weight VentiFlow-mk2 | 1,6 kg, with case 4 kg | |



VentiFlow-mk2

Measure air volume flow up to 100 m³/h



ACIN instrumenten



VentiFlow[®] MK2
made in Holland

The new VentiFlow-mk2, with a measuring range from 10 to 100 m³/h (6 to 60 CFM), is the ideal instrument to quickly check and balance delicate domestic ventilation systems.



The new VentiFlow-mk2, with a measuring range from 10 to 100 m³/h (6 to 60 CFM)*, is the ideal instrument to quickly check and balance delicate domestic ventilation systems.

The VentiFlow-mk2 with its integrated, low resistant flow straightener (patent pending) shows excellent and stable performance on both supply and exhaust grills with an uncertainty that hardly depend on system resistance and flow pattern. Even supply grills with a so called clean sector and swirl diffusers can be measured with good accuracy.

**the VentiFlow-mk2 will measure higher flows as well, but, due to its resistance, with lower accuracy.*



Benefits

- Accurately measures both supply and extract air
- Can be used directly out of the box, no loose parts
- Simple to operate
- Measurement result after ~ 5 seconds
- Transparent measuring cone: you see what you measure
- Flow straightener:
 - suitable for supply and discharge measurements
 - design optimized with a computer model
- Sturdy, light case that can serve as a step
- Hoods for the FlowFinder-mk2 also fit on the VentiFlow-mk2
- Low investment

