

AIR VELOCITY AND AIR FLOW

ALNOR Vane Anemometer

Model RVA801

The vane anemometer RVA801 is light, sturdy and easy to use. It always gives accurate and dependable measures. The ideal tool to be used in grilles, duct and diffusers. Displays in metric or imperial units.

The RVA501

A portable vane anemometer for measuring air velocity and air flow.

Velocity 50 to 6000 ft/min, 0.25 to 30 m/s
Accuracy ±1% of measure or ±4 ft/min (±0.02 m/s), the highest of the 2

Duct dimensions

RVA501 0 to 173.6 ft², (0 to 16 m²)
RVA801 0.043 to 900 ft², (0.00399 to 90 m²)

Air flow depending on air velocity and duct dimensions

Temperature 0 to 60°C (32 to 140°F) Accuracy ±0.6°C, ±1°F

Data logging (RVA501 only)

Memory 12.700 + samples and 100 tests files

Measuring intervals 1 second to 1 hour

Time constant adjustable by user (RVA501 only)

Code	Description
RVA801	Anemometer with integrated vane 100 mm, rigid carrying case, batteries, NIST certificate and user manual
RVA501	Vane anemometer 100 mm, rigid carrying case, USB cable, LogDat2 software, manual and automatic data logging, batteries, NIST certificate and user manual
801750	Aircone Alnor kit, rectangular and round cones
801761	Universal adaptor AC
801748	Telescopic extension for RVA501



KIMO Hot Wire Thermo-anemometer

Model VT110

- 0.15 to 30 m/s (30 to 6000 pi/min); From 0.15 to 3 m/s: ±3% of reading ±0.05 m/s, From 3.1 to 30 m/s : ±3% of reading ±0.2 m/s
- From -20 to +80 °C (-4 to +176°F), ±0.3% of reading ±0.25°C
- Airflow calculation with cone
- Selection of units (air velocity, airflow and temperature)
- Hold function, Display of minimum and maximum values
- Adjustable auto shut-off
- Backlight
- Airflow direction detection
- Automatic average
- Air velocity compensation in atmospheric pressure



Code	Description
VT110S	Hot-wire anemometer with SS probe
VT110	Hot-wire anemometer with SS probe
VT115S	Hot-wire anemometer with telescopic bendable 90° SS probe
VT115	Hot-wire anemometer with telescopic bendable 90° SS probe

Comes with a calibration certificate (except "S" models come with an adjusting certificate) and carrying case.

Accessories

Code	Description
K35	Cone 200 x 200 mm
K75	Cone 300 x 300 mm
K120	Cone 450 x 450 mm
K150	Cone 550 x 100 mm



Thermo-Hygrometer-Anemometer (New)

Model VT210

- Measurement of temperature, hygrometry and air velocity (depending on models)
- Interchangeable **modules**
- Two Pt100 temperature **inputs**
- Up to 6 simultaneously **measurements**
- Large: **Graphic screen**
- **Connections:** 2 mini-DIN connections SMART-2014 probes and 1 micro-USB port for charging and PC connection
- **Power supply:** Lithium-Ion battery
- **Autonomy:** 44 h with hot wire probe / 65 h with thermocouple module
- **Memory capacity:** Up to 1000 dataset of 20 000 points
- **Operating temperature:** From 0 to +50 °C
- **Storage temperature:** From -20 to +80 °C
- **Auto shut-off:** Adjustable from 15 to 120 minutes or Off
- **Multilingual:** French, English, etc.



The instruments are supplied in a transport case with a calibration certificate, a charger and a USB cable..

See Probes at pages 17-18-19

Code	Description
VT210L / VT210 TL	Anemometer with vane probe 100 mm SH 100 or telescopic SHT 100 -980 to 7000 pi/min, 0 to 99999 cfm
VT210H / VT210 TH	Anemometer with vane probe 70 mm SH 70 or telescopic SHT 70 -980 to 7000 pi/min, 0 to 99999 cfm
VT210P / VT210 TP	Anemometer with vane probe 14 mm SH 14 or telescopic SHT 14 0 to 5000 pi/min, 0 to 99999 cfm
VT210F / VT210TF	Anemometer with hot wire probe SFC300 or SFC900 (telescopic) 0 to 6000 pi/min, 0 to 99999 cfm
VT210M	Anemometer with multifunction probe SMT 900, telescopic, velocity and humidity 0 to 6000 pi/min, 0 to 99999 cfm, 5 to 95%RH
LPC-2014	Datalogger software version 2014

ALNOR Hot Wire Anemometers

Models AVM430 and AVM440

Velocity 0 to 6000 ft/min, 0 to 30 m/s

Accuracy ^{1&2} ±3% of measure or ±3 ft/min (±0.015 m/s), whichever is the greatest

Accuracy 1 ft/min, 0.01 m/s

Duct dimensions

1.0 to 250.0 inches (1.0 to 635.0 cm)

Air flow depending on air velocity and duct dimensions

Temperature **AVM430** -18 to 93°C, 0 to 200°F
AVM440 -10 to 60°C (14 to 140°F)

Accuracy ³ ±0.3°C, ±0.5°F

Resolution 0,1°

Relative humidity *AVM440 only*

0 to 95% RH

Accuracy ⁴ ±3%

Resolution 0.1%

Data logging

Memory 12,700+ samples and 100 tests files

Measure interval 1 second to 1 hour

Time constant adjustable by user

Code	Description
AVM430	Hot wire anemometer, rigid carrying case, USB cable and LogDat2 software, manual data logging, batteries, NIST certificate and user manual
AVM430A	Hot wire anemometer, articulated probe, rigid suit case, USB cable and LogDat2 software, manual data logging, batteries, NIST certificate and user manual
AVM440	Hot wire anemometer, rigid suit case, USB cable and LogDat2 software, manual and automatic data logging, batteries, NIST certificate NIST and user manual
AVM440A	Hot wire anemometer, articulated probe, rigid carrying case, USB cable and LogDat2 software, manual and automatic data logging, batteries, NIST certificate and user manual
801761	Universal adaptor AC

