Anemometers

Model AVM410

Thermal Anemometers

Models AVM410 and 9880

The Models AVM410 and 9880 are a solid choice for a digital Air Velocity Meter, without compromising accuracy or precision. They are excellent for troubleshooting HVAC systems and conducting commissioning work.

Features and Benefits

- Accurate air velocity measurement
  - Model AVM410 range 0 to 4,000 ft/min (0 to 20 m/s)
  - Model 9880D range 0 to 2,000 ft/min
  - Model 9880E range 0 to 10 m/s
- Integrated probe attachment
- Large, easy to read display
- Intrinsically safe (9880 only)
- Calibration certificate included

Applications

- HVAC system performance
- Commissioning
- Plant maintenance

Rugged. Reliable. Professional.

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Specifications
Models AVM410 and 9880

Velocity
Range (AVM410)	0 to 4,000 ft/min (0 to 20 m/s)
Range (9880D)	0 to 2,000 ft/min
Range (9880E)	0 to 10 m/s
Accuracy[1&2]	±5% of reading or ±5 ft/min (±0.025 m/s), whichever is greater
Resolution	1 ft/min (0.01 m/s)

Temperature (AVM410 only)
Range	0 to 200°F (-18 to 93°C)
Accuracy[3]	±0.5°F (±0.3°C)
Resolution	0.1°F (0.1°C)

Instrument Temperature Range
Operating (Electronics)
40 to 113°F (5 to 45°C)
Model AVM410 Operating (Probe)
0 to 200°F (-18 to 93°C)
Model 9880 Operating (Probe)
32 to 122°F (0 to 50°C)
Storage -4 to 140°F (-20 to 60°C)

External Meter Dimensions
Model AVM410	3.3 in. x 7.0 in. x 1.8 in. (8.4 cm x 17.8 cm x 4.4 cm)
Model 9880	2.7 in. x 5.2 in. x 1.3 in. (6.8 cm x 13.2 cm x 3.3 cm)

Probe Dimensions (Model AVM410)
Length	40 in. (101.6 cm)
Diameter at tip	0.28 in. (7 mm)
Diameter at base	0.51 in. (13 mm)

Probe Dimensions (Model 9880)
Length	3.1 in. (79 cm)
Diameter at tip	0.25 in. (6.4 mm)
Diameter at base	0.25 in. (6.4 mm)

Meter Weight with Batteries
0.6 lbs (0.27 kg)

Power Requirements
Four AA-size batteries

Model 9880

	AVM410	9880D	9880E
Velocity range 0 to 2000 ft/min		•	
Velocity range 0 to 10.00 m/s			•
Velocity range 0 to 4000 ft/min (0 to 20.00 m/s)	•		
Temperature	•		
Digital display	•	•	•
Intrinsically safe		•	•
Certificate of Calibration	•	•	•

[1] Temperature compensated over an air temperature range of 40 to 150°F (5 to 65°C).
[2] The accuracy statement begins at 30 ft/min through 4000 ft/min. (0.15 m/s through 20 m/s).
[3] Accuracy with instrument case at 77°F (25°C), add uncertainty of 0.05°F/°F (0.03°C/°C) for change in instrument temperature

Specifications subject to change without notice.

Alnor Products, TSI Incorporated - 500 Cardigan Road Shoreview, MN 55126-3996 USA
USA **Tel:** +1 800 424 7427 **E-mail:** customerservice@alnor.com

Contact your local Alnor Distributor or visit our website **www.alnor.com** for more detailed specifications.

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