



## 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

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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 <sup>1&amp;2</sup>	±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 <sup>3</sup>	±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

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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	•	•	•

<sup>1</sup> Temperature compensated over an air temperature range of 40 to 150°F (5 to 65°C).

<sup>2</sup> The accuracy statement begins at 30 ft/min through 4000 ft/min. (0.15 m/s through 20 m/s).

<sup>3</sup> 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.

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