

ENERGY AND COMFORT

Ventilation Test Instruments



Model 5725

Features and Benefits

- Reversible 4-inch (100 mm) head to read supply and exhaust flows
- Calculates volumetric flow rate when user inputs duct shape and size, or area
- Sampling function records multiple point measurements
- Automatic averaging of air velocity
- Simultaneously displays velocity and temperature
- Sweep mode for one overall measurement
- Optional 36-inch telescopic probe available
- Compatible with optional Aircone flow hoods

Data Logging Features

- Logs 12,700+ samples with a time and date stamp
- Recall, review, store data
- LogDat2™ downloading software included

VELOCICALC® Rotating Vane Anemometer

Model 5725

The VELOCICALC 5725 is a high performance, yet simple to use, rotating vane anemometer. High accuracy and reliability make the VELOCICALC 5725 the professional's ideal tool for measuring unevenly distributed or fluctuating flows through heating and cooling coils, diffusers, grilles, and filters.

It accurately measures air velocity and temperature, calculates flow rate, performs averaging, and can determine minimum and maximum readings. Using sweep mode you can quickly provide one averaged reading of velocity or volume over a large measurement area. The large vane head automatically averages velocity and volume readings. The VELOCICALC 5725 includes variable time constant, sampling and statistics functions and data logging capability.

Applications

- Heating and cooling coil analysis
- Diffuser and grille measurements
- Fume hood face velocity tests
- Indoor air quality tests
- Filter face velocity measurements



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Specifications

VELOCICALC Model 5725

Velocity

Range 0.25 to 30 m/s (50 to 6,000 ft/min.)
Accuracy $\pm 1.0\%$ of reading or ± 0.02 m/s (± 4 ft/min.), whichever is greater

Duct Size

Range 0 to 16 m² (0 to 173.6 ft²)

Volumetric Flow Rate

Range Actual range is a function of velocity and duct area

Temperature

Range 0 to 60°C (32 to 140°F)
Accuracy $\pm 0.5^\circ\text{C}$ ($\pm 2^\circ\text{F}$)
Resolution 0.1°C (0.1°F)

Instrument Temperature Range

Operating (Electronics) 5 to 45°C (40 to 113°F)

Operating (Vane Head)

0 to 60°C (32 to 140°F)

Storage -20 to 60°C (-4 to 140°F)

Data Storage Capabilities

Range 12,700+ samples and 100 test IDs

Logging Interval

1 second to 1 hour

Time Constant

User selectable

External Meter Dimensions

8.4 cm x 17.8 cm x 4.4 cm (3.3 in. x 7.0 in. x 1.8 in.)

Meter Weight with Batteries

270 g (9.6 oz.)

Power Requirements

One 9-volt alkaline or NiCad battery

Specifications are subject to change without notice.

Aircone Flow Hoods

Aircone Flow Hoods are a fast and accurate method of maximizing the usefulness of your 4-inch (100-mm) rotating vane anemometers. For a modest investment, you can enhance the capability of your rotating vane, turning it into an air volume flow balancing tool.

Features and Benefits

- Rectangular and circular cones available
- Measures volumetric flow at grilles, diffusers, and linears
- Reads air volume quickly and accurately
- Excellent choice for small grilles

TSI Aircone Flow Kit (p/n 801749) includes one each:

Rectangular 285 x 235 mm (11.2 x 9.2 in.)
Round 180 mm (7.1 in.) diameter

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