

VELOCICALC® Air Velocity Meters

Models 8345, 8346, 8347, and 8347(A)

TSI's VELOCICALC® Air Velocity Meters are easy to use from the first time you pick them up. The Models 8345 and 8346 measure velocity and temperature, calculate flowrate, perform multi-value averaging, and determine minimum and maximum readings. The Models 8347 and 8347(A) add a humidity measurement and perform dew point and wet bulb temperature calculations.



Features

- Extended velocity range of 0 to 6,000 ft/min
- Temperature range of 0 to 140°F or more

- Humidity range of 0 to 95% rh (Models 8347 and 8347(A) only)
- Easy to read digital display
- Variable time constant modes available for a steady display when measuring fluctuating flows
- Telescoping probes with etched length marks to make duct traverse measurements easier
- Sampling function allows for easy recording of multiple measuring points
- Direct calculation of dew point and wet bulb temperature –no psychrometric chart needed (Models 8347 and 8347(A) only)
- Statistics function can display average, maximum and minimum values, and the number of recorded samples
- Flowrate feature allows for simple and quick calculations of volumetric flowrate when the user inputs the duct shape and size
- Optional portable printer provides a hard copy documentation of your readings

Applications

- HVAC duct measurements
- Fume hood face velocity tests
- Clean room studies
- Wind tunnel work
- Filter face velocity measurements
- Indoor Air Quality tests

Model Options/Comparisons

The Models 8345, 8346, 8347 and 8347(A) all measure air velocity and temperature, calculate flowrate, perform multi-value averaging, and determine minimum and maximum readings. The Models 8347 and 8347(A) also measure humidity along with dew point and wet bulb temperature calculations. The Models 8346 and 8347(A) have the added feature of an articulating probe for measurements in ceiling outlet flows or clean benches.

Features	8345	8346	8347	8347(A)
Velocity	✓	✓	✓	✓
Temperature	✓	✓	✓	✓
Volumetric Flowrate	✓	✓	✓	✓
Averaging Capability	✓	✓	✓	✓
Variable Time Constant	✓	✓	✓	✓

Articulating Probe		✓		✓
Printer Output	✓	✓	✓	✓
NIST* Calibration Certificate	✓	✓	✓	✓
Humidity			✓	✓
Wet Bulb			✓	✓
Dew Point			✓	✓

**U.S. National Institute of Standards and Technology*