



# TSI 8455 Airflow / Air Velocity Transducer

## Product Images



## Short Description

The TSI 8455 Air Velocity Transducer (General Purpose) is ideal for both temporary and permanent installations for air velocity measurements in research and development labs, manufacturing processes, and other applications.

## Description

### TSI 8455 AIRFLOW / AIR VELOCITY TRANSDUCER

The TSI 8455 Air Velocity Transducer (General Purpose) is ideal for both temporary and permanent installations for air velocity measurements in research and development labs, manufacturing processes, and other applications. Model contains on-board electronics and calibration curves that provide a linear signal output. This linear signal is sent out as either a current (mA) or a voltage (V) signal, allowing output to a variety of data loggers or data acquisition systems. Best of all, the current and voltage output ranges are easily changed by the user in under five minutes.

Ideal applications include comfort and draft studies, critical environment installations (e.g., clean rooms and hospitals), diffuser design analysis, monitoring drying processes, monitoring air flows in tunnels and subways, used as a standard in wind tunnels and calibration facilities, environmental monitoring in greenhouses and IAQ applications as well as general engineering applications.

**Features and Benefits**

- Protected probe tip
- Available with choice of 7.5cm, 15cm, 22.5cm, 30cm probes
- Rugged ceramic sensor
- Wide range of measurement applications
- Fast response time
- Range: 25–10,000 ft/min (0.125–50 m/s)

**Includes**

- Probe attached to 16.4-ft (5-m) cable connected to control module
- Compression fittings for mounting in duct work
- Two holding clips to mount probe to parallel surface
- Operation and service manual
- NIST calibration certificate
- Two-year limited warranty

**Additional Information**

Brand	TSI
Typical applications	Building Monitoring, Environmental (Indoor), HVAC, Thermal Comfort
Measurements	Air Velocity

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Probe Length	7.5cm
	15cm
	22.5cm
	30cm

Additional Options