![TSI logo] **® Knowledge Beyond Measure.**

Aerosol Humidity and Temperature Sensor

Model RHT3000

Record aerosol humidity and temperature together with your particle count and size.

Humidity and temperature affect aerosol processes and properties. This sensor was designed to measure both parameters in an aerosol flow to your TSI® Condensation Particle Counters (CPCs) and Electrostatic Classifier of the newest generation. When connected with a USB cable to the CPC, the data is automatically recognized and aerosol humidity and temperature is recorded in the CPC. The TSI® Electrostatic Classifier 3082 also detects the sensor and the newest Aerosol Instrument Manager® for SMPS™ is recording data along with the particle size distribution.

Applications
- Air quality monitoring of ultrafine particles
- Environmental chamber studies
- Indoor air quality studies
- Health effect studies
- Basic aerosol research

Features and Benefits
- Easy to integrate into aerosol flows with two removable inlet and outlets (¼")
- Communicates with newest TSI CPC and Classifier models; simple programming interface for 3rd party software integration
- Powered thru USB port
- Helps to ensure data quality

Specifications

Temperature	10°C to 35°C
Relative Humidity	0% to 90% non-condensing
Temperature Accuracy	± 0.3°C
Humidity Accuracy	± 2% as specified by the measurement component manufacturer
Compliance	IEC 61326 & IEC 61010-1

Further technical information is available in the user guide.

Data Acquisition

When connected via USB to a compatible TSI® CPC (375x, 3789), the CPC will automatically capture the data.

When connected via USB to a compatible TSI® SMPS™, Aerosol Instrument Manager® software (v 11) can be used to log data along with the particle size distribution. Always download the newest software version.

When a USB connection is established, 3rd party software can communicate with the device via simple text commands.

Specifications are subject to change without notice.

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Communication

USB type-C connecting to CPC, Classifier, or PC

Power Requirements

5 Volts DC; 2.5 W

Dimensions (HxWxD/Weight)

8.4 x 5.1 x 2.5 cm, 0.45 kg
3.3 x 2 x 1 in, 1 lbs.

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