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About this capture

degreeC An ISO 9000:2008 company

Your Source for Airflow and Thermal Management Solutions

Airflow Sensing Products

Development Use

- **ATM2400**
- FlowMarker
- BladeProfiler
- MicroFlow Tunnel

Embedded Sensing

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Downloads

- Airflow Sensors
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Key Features

Connect 36 air velocity and airflow temperature sensors (UAS1000 Series) or thermocouple sensors (UTS1000 or UTS2000 Series)

Validate thermal and airflow models quickly and accurately

Measure Air & Temperature in multiple locations simultaneously

Small sensors to access remote and compact locations

USB connection to PC

New and improved AccuTrac software included

Easy to use - just plug in and start measuring

Airflow measurement accuracy 5% of reading from 0°C to 70°C

Datasheets

- ATM2400
- AccuTrac Software
- UAS1000 Airflow Sensor
- UAS2000 Micro Airflow Sensor
- UTS1000 Thermcouple
- UHS1000 Humidity Sensor

Application Notes

- Sensor Head Acceptance Angle
- Applications for the ATM2400
- Measuring Airflow in Electronics
- Thermal Management of Electronics Whitepaper

Development Use

ATM2400 Airflow & Temperature Measurement System

Multipoint measurement of air velocity as well as air and surface temperature are crucial steps in the new product development process. These measurements, however, have traditionally been inexact, labor-intensive, repetitive, and tedious. The AccuSense ATM2400 has been designed to **reduce cost, increase efficiency, improve accuracy** and compress testing and evaluation time. Furthermore, the ATM2400 expands on the capabilities of its predecessor, the ATM-24 with the inclusion of thermocouple sensors, improved airflow sensor accuracy, and improved AccuTrac 2008 software.

The ATM2400 allows you to perform simultaneous measurement of air velocity and surface temperatures at 36 locations. Multiple ATM's can be connected together to measure over 100 points. The information is recorded real-time, and can be analyzed and manipulated as data is being collected. The ATM2400 uses the **UAS 1000 Series** of Airflow Sensors, the **UTS1000 Series** of Thermocouple Sensors, and the **UHS1000** humidity sensors. Improved air velocity accuracy to ±5% of reading from 0°C to 70°C further enhances the ATM2400's performance.

AccuTrac 2008, a powerful Windows-based software package, is used by the ATM2400. With real-time graphing and statistical analysis, AccuTrac's new capabilities also include the ability to set testing time length, display calibration date of sensors, and alarm when collected data is outside of the sensor calibration range. All data is saved in Excel compatible files.

Typical applications include thermal analysis of electronics in computer and telecommunications equipment, validation of **CFD airflow and temperature modeling**, airflow analysis of automotive cabin and engine compartments, containment enclosures, and architectural modeling.

Whether you are determining the number of fans, **analyzing airflows** around critical components, or **validating software prediction models**, the ATM2400, from the renown expert in airflow sensing, is the new gold standard for multipoint airflow and temperature monitoring.

AccuTrac 2008 Software Download

Degree Controls, Inc.

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