

## UAS – 带 USB 输出风速传感器



UAS系列风速传感器被设计允许快速、有效、单一、多点的风速实验。UAS1000系列的特点是1%精度带有方便USB链接接口，和其他的简便设计，UAS传感器能够轻松的到达难以接近的位置而不会扰乱风速属性。使用一个°C端口数据收集仪器，同时从USB读取数据并记录和分析

- 15 – 1.0 m/s [30-200 fpm]
- 0.5 – 10.0 m/s [100-2000 fpm]
- 1.0 – 20.0 m/s [200-4000 fpm]

### 特点：

风速精度：满量程的1%

工作温度范围: 0° C – 70° C (32° F – 158° F)

超过100个传感器连接到°C端口的数据采集仪器

使用简单 - 插上电源即可开始测量，并且自

身带有 AccuTrac™ 数据记录软件

快速准确的反应上升热流和空气气流的模型

LP 和 XS 传感器头被充分的利用到测量最小流量剖面中断

传感器尺寸微小可以安装在不容易安装的位置

双通道风速和空气温度传感器测量

高性能电子元件

### 应用

热管理实验

筛选和包装设计

- HVAC

通风设备测试 (COSHH)

风扇性能

分析 (Energy Star)

- 洁净技术和实验室

Face Velocity & Down Flow Testing

- 输送系统

室内舒适度, 窗子除霜

& 热交换实验

和更多...

## ROOSTER SENSOR10 – 带触摸屏数显风速温度传感器

### 应用

- HVAC 管道
- 过程控制
- 环境监测和报警  
建立管理系统
- 数据处理中心监测和报警
- 颗粒分离监测设备
- 层流设备



## 产品参数specifications

- Rooster™ 外形尺寸 3.2" x 5.3" x 0.7"
- (81mm x 135mm x 19mm)
- LCD 显示面积 2.3"x2.7" (57mm x 70mm)
- 响应时间 < 1 second
- 电源电压 24 VAC/VDC & Wall Adapter
- 红色LED指示器 160° viewing angle
- 报警音量 0 - 85dB (adjustable)
- 相对湿度 (non-condensing) 5 - 95%
- 操作温度 40°F - 140°F (5°C - 60°C)
- 存储温度 -40°F - 185°F (-40°C - 85°C)
- 标准 CE, RoHS



## 精度accuracy

度数的  $\pm 1\%$ 精度 (under identical conditions)

风速范围

风速精度

0.5 to 10 m/s (100 to 2,000 fpm)

$\pm (4\% \text{ of reading} + 0.10 \text{ m/s [20 fpm]})$

带补偿范围

## 300T / 305 电子风速开关

The Series 300/305 Airflow Switch is a line of highly reliable solid-state electronic switches, designed to monitor air velocity in critical environments such as cleanrooms and semiconductor fabrication facilities, and as well as in traditional electronic enclosures. These compact, easy-to-install units detect loss of airflow below a pre-programmed setpoint, and provide a fast and distinct warning of airflow deterioration. Designed to replace traditional "sail" or "vane" switches, the



Series 300 air velocity switch offers unparalleled resistance to shock and vibration. The Series 300 may be either uni-directional or bi-directional. The uni-directional model discriminates between forward and reversed airflow, indicating a fault if the airflow direction reverses. The bi-directional model accepts airflows from either of two opposing directions; it triggers an alarm when airflow falls below the setpoint. The output of the Series 300 can be used to drive computer logic or it can activate alarms, relays or other circuits. For normally-open switches, the air velocity above the trip point means that the switch will stay "open".

## Features

- All solid-state technology
- Ideal for monitoring low flows
- Hysteresis-free
- Available in uni-directional or bi-directional versions
- Performance is not affected by dirt and vibration
- Processing electronics are not required
- No need for user calibration
- Choice of standard or customized calibrations

## DATA CENTER

- IT cabinet enclosure ventilation
- Data Center Ventilation Systems



## HVAC

- Exhaust vents
- Ductwork
- HEPA filtration zones



## INFORMATION TECHNOLOGY

- Semiconductor fabrication facilities
- Electronic enclosure ventilation



## TELECOMMUNICATIONS

- Electronic enclosures
- IT rack cabinets
- Facility ventilation systems
- Exhaust grates



## TRANSPORTATION

- Specimen transport
- Leak detection in ventilations systems



## FOOD SERVICE

- Kitchen ventilation systems
- Ductwork
- Exhaust apertures



## LABORATORY & RESEARCH

- Clean Rooms
- Medical HVAC Systems
- Baffles and Containment Barriers
- Operating rooms
- Air exchangers for animal caging

