



DEGREE CONTROLS, INC.

Your Partner for Airflow Sensing & Controls

Rooster Monitor Catalog

Airflow/Pressure • Alarming • Monitoring • Sensing



DEGREE CONTROLS, INC.

Airflow Safety Compliance

Achieve airflow safety compliance with airflow and pressure alarming, monitoring, and sensing solutions built to meet a range of safety standards, including NSF-49, OSHA, ASHRAE-110, and NEBS. The Rooster™ platform is designed to empower facility managers and EH&S professionals with the ability to set alarm thresholds, configure security protocols, and integrate these parameters with ease into their building management systems.

The Rooster™ platform is the Certifier's Choice for airflow and pressure alarming, monitoring, and sensing within chemical fume hoods, biological safety cabinets, clean rooms, and industrial ventilation systems.

Airflow Alarm

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Airflow Sensing

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Room Pressure

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Are you
NSF-49
Compliant?



degree ™
DEGREE CONTROLS, INC.

Airflow Alarm

Airflow Alarm





Additional Sensor options available.
Order from left to right: Sidewall Sensor,
Inline Sensor, & Probe Sensor

Airflow Safety System

Designed as a simple retrofit option for fume hoods and biosafety cabinets, the Rooster™ Alarm is a fast, reliable, and affordable way to monitor airflow safety and achieve OSHA or NSF-49 compliance, providing full time tracking of air velocities within cabinet or exhaust systems to ensure air movement never falls below user-defined thresholds.

Applications

- Clean Tech & Laboratory
 - Biosafety Cabinets
 - Fume Hoods
 - Pharmaceutical Manufacturing
- HVAC
 - Ventilation Workstations
 - Fan Performance Analysis (Energy Star) and more...

Features

- Air Velocity Range: 0.30 – 10.0 m/s (40 – 2,000 fpm)
- Response Time: < 1 Second
- Supply Voltage: 12 – 24VDC
- Input Current: 0.5A Max
- Single push button for airflow calibration
- Audible and visual alarm functions
- User configurable Alarm Threshold (preset NSF-49 required -20%)
- Latching or resettable alarm
- Accurate ±2% Repeatability of measured value
- Auxiliary Night Setback input
- Embedded or temporary installation
- Available with probe, sidewall, & inline sensor options



The Rooster™ Airflow Alarm is available with Night Setback.

Airflow Monitor

Monitor100





Ask how you can add your own custom faceplate to your Rooster™ Monitor100.

Touchscreen Alarm System

With an intuitive, glove-friendly, color touchscreen interface, the Rooster™ Monitor100 is the next-generation airflow monitoring and alarm system for critical containment applications, including chemical fume hoods, biological safety cabinets, laminar flow hoods, and other applications where airflow is required to be viewed, monitored, alarmed, and communicated to building and laboratory systems.

Applications

- Laboratory & Medical
 - Chemical Fume Hoods
 - Biosafety Cabinetry
 - Laminar Flow Hoods
 - Critical Containment
- HVAC
 - Duct Monitoring
 - Building Management and more...

Features

- Air Velocity Range: 0.15 – 10.0 m/s (30 – 2,000 fpm)
- Temperature Range: 5°C – 60°C (40 – 140°F)
- Response Time: < 1 Second
- Supply Voltage: 24 VAC/VDC & Wall Adapter
- Configurable alarm thresholds with both custom & preset air velocity trigger points for NSF-49 & OSHA flow compliance regulations
- Full-time air velocity monitoring & real-time display of readings in FPM or m/s
- Wide velocity range capability, for use in face velocity or duct velocity applications
- Output relays for remote monitoring of airflow alarms, sash alarms, and remote night setback initiation
- USB port for firmware upgrades & keyboard compatible, for user based information, & alphanumeric asset tagging
- Available with probe, sidewall, & inline sensor options

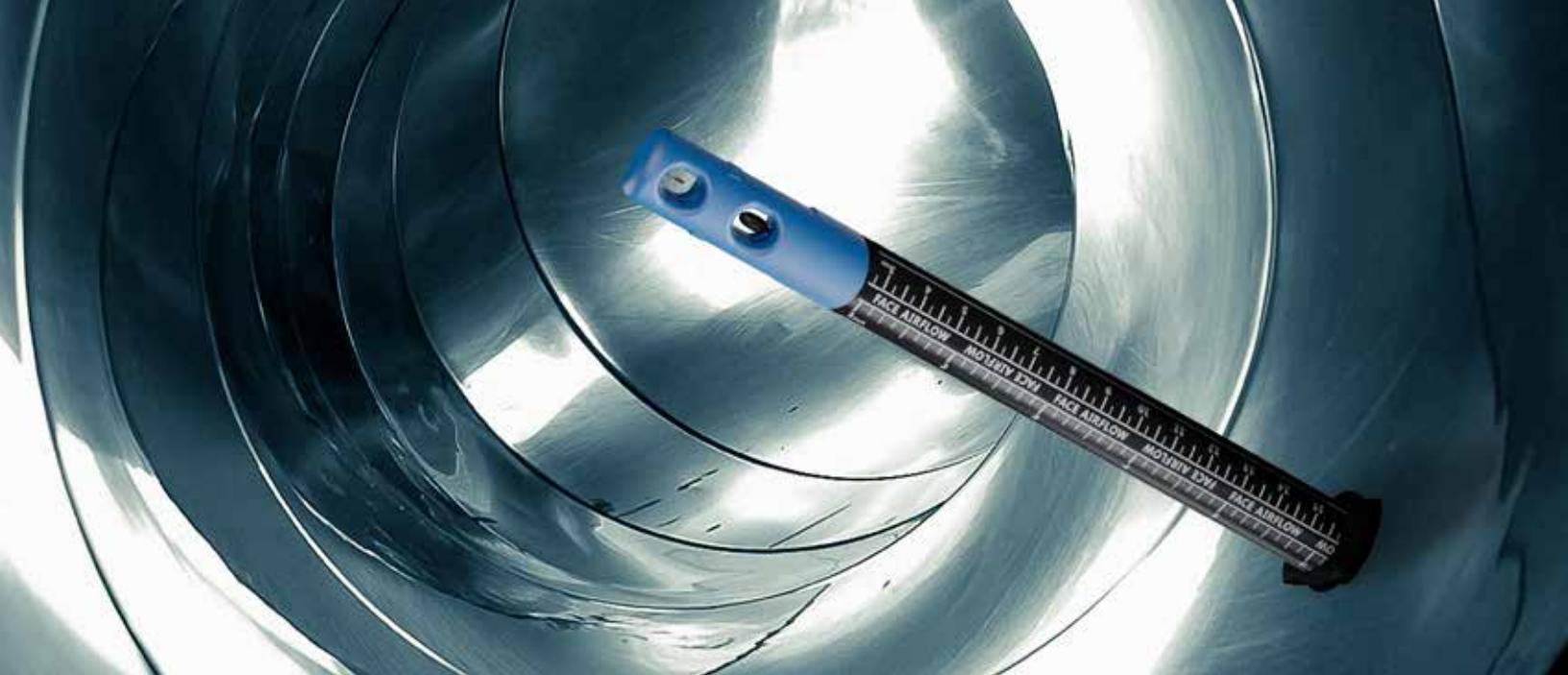
Build the Rooster™ Monitor100 directly into your system. Call us to find out more.



Airflow Sensing

Sensor100





Touchscreen Airflow Sensing

The Rooster™ Sensor100 is a next-generation air velocity and temperature sensor with a built-in touchscreen display for configuring alarm set points and output behavior. With its user-friendly, color touchscreen interface, the Sensor100 can be set-up into your building or system with unprecedented ease. With its intuitive interface, users will find they do not need to refer to the manual to operate the sensor.

Features

- Air Velocity Range: 0.15 – 20.0 m/s (30 – 4,000 fpm)
- Temperature Range: 5°C – 60°C (40 – 140°F)
- Response Time: < 1 Second
- Supply Voltage: 24 VAC/VDC & Wall Adapter
- Full-time air velocity monitoring & real-time display of readings in FPM, m/s, or CFM
- Wide velocity range capability, for use in face velocity or duct velocity applications
- USB port for firmware upgrades & keyboard compatible, for user based information, & alphanumeric asset tagging
- Available with probe, sidewall, inline sensor options, & F-Series probe sensors

The Rooster™ Sensor100 comes with a pre-calibrated probe style sensor

Applications

- Data Center
 - IT Rack Total Flow Measurements
 - BTU Analysis
- HVAC
 - Heat Exchanger Multipoint Analysis
- Building Management Systems
 - Particle Separation Equipment Monitoring and more...



Room Monitor

Pressure100





Touchscreen Monitoring

Maintenance of positive or negative pressure is paramount to the safety, security, and operational management of a controlled environment. The degreeC Rooster™ Pressure100 brings all the convenience, ease of install, and intuitive touchscreen interface our customers have come to expect from us. The Pressure100 keeps your environment safe and logs any excursions which can be downloaded by simply plugging in the USB storage device. With door sensing technology, the Pressure100 will display & log door-related activity, and notify the occupants of accidental door-open or unlatched conditions.

Features

- Differential Pressure Range: -125 to $+125$ Pa (-0.5 to 0.5 in H_2O)
- Temperature Range: $-40^{\circ}C$ – $85^{\circ}C$ (-40 – $185^{\circ}F$)
- Supply Voltage: 24 VAC/VDC
- Whole-screen background colorization to convey current pressure & temperature state, augmented by flashing red LED while in alarm state
- Room differential pressure monitoring & real-time display of readings in inches of water, cm of water, or Pascals
- Configurable door status alarm during real-time pressure drops
- Input/Output relays for remote monitoring of door sensors, pressure alarms, and remote night setback initiation
- USB port for firmware upgrades & keyboard compatible, for user based information & alphanumeric asset tagging, as well as direct data logging capabilities
- Install kit includes flow-through (sidewall) sensor (with removable & washable air screen) and 2m of ducting

Applications

- Laboratory & Research
 - Pharmaceutical Manufacturing
 - Semiconductor Manufacturing
 - Vivariums
 - Hospital Rooms
- Clean Room
 - Environmental Monitoring & Alarms
 - Compounding Roomsand more...



Join the thousands of laboratories who have deployed the Rooster™ family of products.



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Why degreeC?

Degree Controls' objective is to be recognized as the world's leading source of engineered air-flow solutions for the most demanding applications. We strive to design, produce, and deliver products and services that meet or exceed specific customer expectations. Turn to your industry leader in air velocity measurement and management to benefit from:

- Decades of Air Velocity & Engineered Airflow Expertise
- Diverse Instrumentation & Design Solutions
- Excellent Customer Service & Quality Commitments
- Full Production & World-Class Manufacturing Capabilities
- International Reach with Our Global Partners
- ISO 9001 Certified Processes
- NIST-Traceable Calibration Standards
- RoHS & Certified European (CE) Products

Contact us today at sales@degreeC.com