

HMS-1650 LITE

Fume Hood Monitor

Data Sheet



HMS-1650 LITE

Triatek's HMS-1650 LITE Fume Hood Monitor is a budget-friendly stand-alone fume hood monitor ideal for fume hoods that do not require network integration. It utilizes a closed-loop system to regulate air entering and exiting the fume hood and communicates with a sidewall sensor and sash position sensor to monitor the airflow with a higher degree of reliability, ensuring safe working environment for researchers.

It features a user-friendly touchscreen with color-coded screens to effortlessly communicate the fume hood's status. It instantly updates as conditions change, and immediately alerts users of unsafe conditions with both visual and audible alarms.

The home screen simultaneously displays the current hood status, sash height, face velocity, air flow rate, temperature, time, and date.

The HMS-1650 LITE provides more confidence than systems reporting on sash height alone which do not account for obstructions in front of an open sash.

FEATURES INCLUDE

- Cost-effective
- User-friendly touchscreen with intuitive menus
- Color-coded screens
- Visual and audible alarms
- Easy to install and customize
- Password protection with four access levels
- Multiple alarms for sidewall and sash position sensors
- Non-volatile memory
- Multi-trigger emergency purge option
- Available in plastic surface mount

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HMS-1650 LITE Specifications

Face Velocity Range	0-200 fpm
Alarm Range	0-200 fpm
Display Range	0-200 fpm
Accuracy	±2 fpm at 60-140 fpm, ±5 fpm outside this range
Sidewall Sensor	Digital ultra-low differential pressure
Sash Position Sensor	Vertical height up to 50"
Monitoring Resolution	±2 fpm
Monitoring Capability	Sash position with sidewall sensing feedback
Analog Inputs	One for sash position sensor (10Vdc)
Analog Outputs	2 for remote monitoring only (0-5Vdc – face velocity, 4-20mA - DP)
Operating Temperature	32° to 125° F operating
Operating Humidity	10-95% relative humidity, non-condensing
Exterior Dimensions	Plastic surface mount housing: 3" W x 5" H x ¾" D
Mounting Styles	Surface (no cutout required)
Power Requirements	24Vac ±10%, 10VA min
Password Protection	Up to 10 user passwords with 4 access levels
Display	18-bit (262K) color TFT, 3.2" diagonal, resistive touchscreen, 2500 cd/m ²
Alarm Indication	Industry standard status colors
Alarm Silence	Touchscreen, auto-reset

Product specifications are subject to change without notice. Triatek is a registered trademark of Triatek LLC.

Part Number Guide

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- Blank = No sash sensor with standard power supply
 S = Include sash sensor with standard power supply
 W = No sash sensor with wall adapter power supply
 SW = Include sash sensor with wall adapter power supply



Normal Mode



Warning Mode



Alarm Mode