

TRIATEK HMS-1650L

HMS-1650L Features:

- LONworks native
- Measure hood face velocity
- Full color touchscreen display
- Equally adept as a controller or monitor
- Highly sensitive, precision measurements
- Rapid response
- Linear or PID output



Triatek HMS-1650 Series
Shown with HMS Air Flow Sensor

NEXT GENERATION HOOD MONITORING

Built on the same fundamental philosophy as its predecessor, the HMS-1650L is the next generation of fume hood monitors. Featuring a user friendly, touch sensitive LCD screen, configuration has never been easier. And with its “at a glance” color coded screen, users will immediately know if the fume hood is safe for use.

The Triatek HMS-1650L uses a dedicated face velocity flow sensor input, as well as a second input, for truer readings with a high degree of reliability. Additionally, this precision instrument can not only control flow conditions, but also monitor them using ultra-sensitive thermal

anemometry. Connections to remote monitoring or automated systems is also possible for monitoring functions only. Highly customizable, the HMS-1650L series can be set up to display most any hood parameter or process and has available inputs for sash position sensors.

Other features include:

- Multiple alarms
- Programmable display
- Linear or PID output

TRIATEK HMS-1650L

SPECIFICATIONS

HMS 1650L CONTROLLER/MONITOR

Analog Outputs (four)	PID, electronic 0-10VDC or 0-5V
Analog to Digital Conversion	12 bit (4,096 points)
Digital to Analog Conversion	12 bit (4,096 points)
Face Velocity Input	From HMS sensor
Alarm Outputs	SPDT Relay, 2A @ 30 VDC
Dimensions	1 15/16"H x 5"W x 4 19/32"D

TOUCH SCREEN USER INTERFACE & ALARM ANNUNCIATOR

LCD Size	3.2" diagonal
Resolution	240 x 320
Viewing Area	50.60 mm x 66.80 mm
Color Depth	18-bit or 262K colors
Backlight Color	White
Luminous Intensity	min 2500 cd/m2
Programmable Alarms	Audible and visual
Display/Keypad Dimensions	4 7/8"H x 3 3/16"W x 1"D
Mounting Dimensions	4.820" H x 2.820"W

HMS AIR FLOW SENSOR

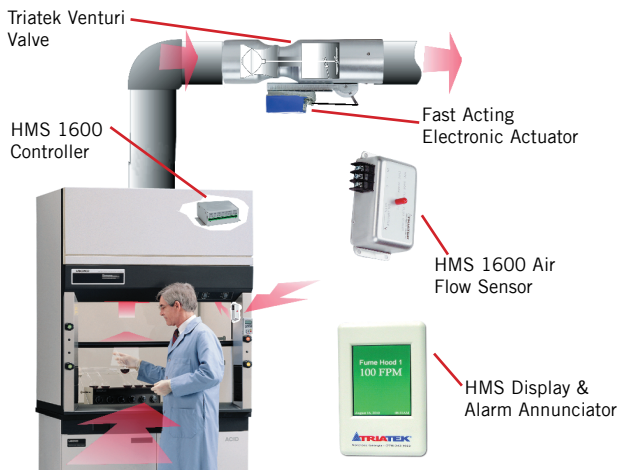
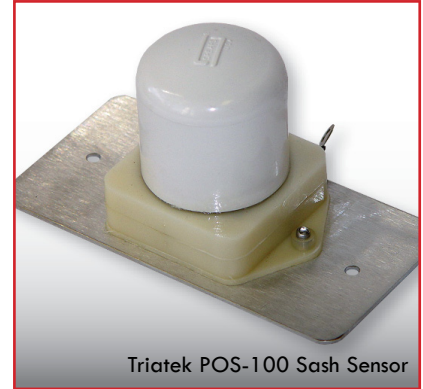
Type of Sensor	Thru-the-hood ultra-sensitive
Face Velocity Accuracy	0-200 FPM \pm 2FPM*
Dimensions	2 5/32"H x 4 3/4"W x 3 5/16"D

NIST Traceable/Individual Certification Optional
* @72°F \pm 5°F

VENTURI VALVE (Order Separately)

Diameter	6", 8", 10", 12" and 14" O.D.
CFM Range	30-2150
Materials	Aluminum, Stainless Steel, Heresite Coated
Actuation	Electronic or Pneumatic

*Accuracy is \pm 5FPM when velocity drops below 60 FPM or exceeds 140 FPM



Typical Fume Hood Equipped with TRIATEK Controls

Part Number Guide: HMS1650L -

Number of Sensors
(blank) = 1 sensor
D = 2 sensors



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