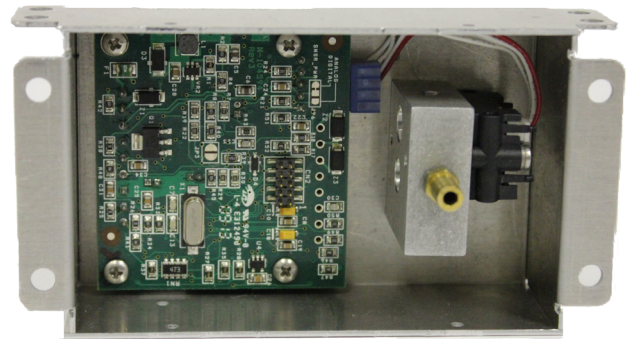


Digital Sidewall Sensor

Data Sheet



Digital Sidewall Sensor



Interior View

Triatek's Digital Sidewall Sensor is a mass flow sensor designed to measure hood pressure as air is pulled from outside the hood to inside the hood. Flow direction ensures no hood contaminates enter the sensor.

Patented CMOSens sensor technology combines sensor element, signal processing, and digital calibration on a single microchip for unmatched performance.

The highly sensitive fourth generation silicon chip requires only a minuscule amount of flow to provide amazing accuracy.

Fast response times (to within 4.6 ms) keeps velocity maintained within safe levels to minimize hood turbulence while ensuring containment.

The Sidewall Sensor can be used in conjunction with a sash sensor for controlling or monitoring. Superior dynamic range and long term stability when compared to membrane based sensors.

FEATURES INCLUDE

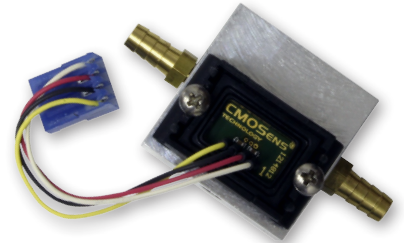
- All digital processing of pressure
- Analog output to pressure signal
- Simple hook up to controller
- Can be used in conjunction with a sash sensor
- No offset drift
- Excellent repeatability

Digital Sidewall Sensor

Data Sheet

Performance Data	
Calibrated Range	1.6 Pa
Measurement Range	1.6 Pa
Temperature Compensation	Yes
Resolution	14 bits preset
Zero Point Accuracy	± 0.001 Pa
Span Accuracy	± 0.001 Pa
Zero Point Reliability	± 0.001 Pa
Span Repeatability	None (less than resolution)
Offset Shift Due to Temp Variation	$< 0.5\%$ of reading per 10°C
Span Shift Due to Temp Variation	< 0.1 Pa/year
Response Time	4.6 ms typical

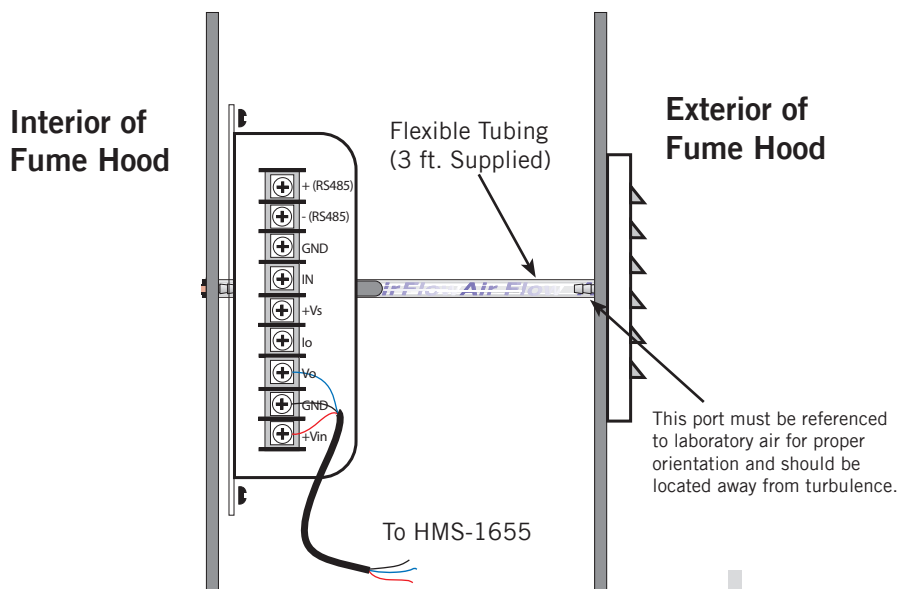
Product specifications are subject to change without notice. TRIATEK is a registered trademark of Triatek LLC.. 04012013



Digital Sensor



Controller Board



Part Number Guide:

HMS-DIGSENSOR