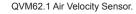
Air Velocity Sensor







Description

This sensor is used to control the air velocity to a constant value, balance out pressure fluctuations (supply or exhaust air control), or to monitor the flow in air ducts. It is designed with a thin film sensing element and its unique, sleek housing guarantees product recognition. This unit is compatible with all Siemens systems and controllers.

Features

- Mounting flange allows the installer to vary the probe insertion length into the duct space for best control
- · Mounting flange dampening gasket minimizes vibration
- · Graduated probe ensures maximum flow accuracy
- Flow directional arrow provides for the most accurate reading
- · Connection cable provides mounting flexibility
- Three jumper selectable flow measuring ranges accommodate any application or environment
- Field selectable output (4-20 mA or 0-10V)

Applications

This sensor is primarily used to set the basic volumetric flow rate for modulating fan control.

QVM62.1 Sensor Specifications

| Power Supply Operating Voltage Frequency Power Consumption Output Impedance | 50/60 Hz ≤ 5 VA (maximum 200 mA) |
|---|--|
| Measuring Data | |
| Measuring Ranges, Adjustable | 0 to 16 ft/s (0 to 5 m/s) 0 to 33 ft/s (0 to 10 m/s) (factory setting) 0 to 49 ft/s (0 to 15 m/s) |
| Measuring Accuracy at 68°F (20°C), 1013 hPa | (0.2 m/s + 3% of measured value) 66 ft/s (20 m/s) 0.3% of measured value at \leq + 10° |
| Signal Output U1 Voltage Current | |
| Line Length Permissible Length to Controller at: 20 AWG Copper Cable | |

| Degree of Protection Degree of Protection Provided by Enclosures as per EN 60 529 Transducer | Connections Mechanical | |
|--|--|---|
| Temperature 23°F to 113°F (-5°C to 45°C Humidity (non-condensing) <95% Mechanical Conditions Class 3N Chemical Conditions Class 3C Storage (Transducer and Immersion Stem) Temperature 23°F to 113°F (-5°C to 45°C | Degree of Protection Provided by Enclosur Transducer Sensor head | IP 42 |
| Temperature | Temperature | <95% rh Class 3M2 |
| Humidity (Non-condensing) <95% Mechanical Conditions Class 1N Weight with Packaging 12 oz (0.352 k | Temperature Humidity (Non-condensing) Mechanical Conditions | 23°F to 113°F (-5°C to 45°C <95% rb Class 1M2 |

QVM62.1 Sensor Product Ordering

| Application | Description | Part No. |
|---------------------|---------------|----------|
| Air Velocity Sensor | 0 to 3000 FPM | QVM62.1 |

Accessories & Service Kits

E-51