AWM3000 Series airflow sensor, amplified, flow/pressure range: +30.0 sccm; straight port style.
Like the AWM2000 Series, the dual Wheatstone bridges control airflow measurement. The AWM3000 Series is amplified; the
the gain and to introduce voltage offsets to the sensor output. The heater control circuit and the sensing bridge supply circui
CAUTION
PRODUCT DAMAGE
AWM Series Microbridge Mass Airflow Sensors are not designed to sense liquid flow and will be damaged by liquid flow throu
Failure to comply with these instructions could result in product damage.

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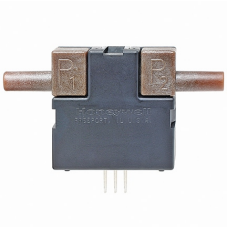

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Series Name	AWM3000
Signal Conditioning	Amplified
Flow/Pressure Range	+30.0 sccm
Output Voltage at Trim Point	3.4 Vdc at 25 sccm
Null Shift over Temperature	±100 mV dc
Output Shift over Temperature	±5 % Reading
Repeatability	±1 % Reading
Null Offset	1 Vdc ±0.10 Vdc
Response Time	1 ms typ., 3 ms max.
Supply Voltage	8.0 Vdc min., 10.0 Vdc typ., 15.0 Vdc max.

Storage Temperature	-40°C to 90°C [-40°F to 194°F]
Media Compatibility	Dry gas only
Weight	10,8 g
Shock	100 g peak (5 drops, 6 axes)
Availability	Global
Comment	Same as AWM3150V except lower pressure drop and not suited to applications with pressu exposed to a pressure pulse in the application, it will sustain permanent damage. AWM315 ultra low flow
UNSPSC Code	41111931
UNSPSC Commodity	41111931 Flow Sensors

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TITLE	DOCUMENT TYPE	L
AWM3000 Series Airflow Sensors, Amplified	Catalog Information	E
AWM Series Airflow Sensors Introduction	Catalog Information	E
AWM3000 Series Microbridge Mass Airflow Sensors	Installation Instructions	E
AWM3000 Series highres photo	Photo	-
AWM3000 Series Lowres Photo	Photo	-
AWM3000 Series AWM3300V CAD Model.stp	CAD Model	-
Airflow, Force, and Pressure Sensors Range Guide	Product Range Guide	E
Sensors and Switches for Medical Applications	Brochure	E
Solutions for Ventilators	Application Note	E
Gas Media Compatibility & Correction Factors	Technical Information	E
Airflow Sensor Glossary of Terms	Technical Information	E
Mass Airflow Sensors Measuring Low Differential Pressures Altitude and Gas Density Correction	Technical Information	E
Mass Flow Sensors: Mass Flow versus Volumetric Flow and Flow Rate Unit Conversions	Technical Information	E
Mass Airflow Sensors Particle Contamination and Filter Manufacturers	Technical Information	E
Pressure or Airflow Sensors?	Technical Information	E

- Damper control for heating, ventilation, and air conditioning systems
- Gas analyzers
- Low vacuum control
- Process control
- Medical respirators and ventilators
- Oxygen concentrators
- Leak detection equipment
- Vent hoods
- Anesthesia control
- Gas metering
- Gas chromatography