



# AWM92100V

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## Overview

**Airflow Sensor, Signal Conditioning: Unamplified (mV); Flow/Pressure Range: ±200sccm; Port Style: Parallel.** The AWM90000 Series microbridge mass airflow sensors utilize... [View More](#)



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## Technical Specifications

Series Name	<b>AWM90000</b>	Signal Conditioning	<b>Unamplified (mV)</b>
Flow/Pressure Range	<b>±200 sccm</b>	Output Voltage at Trim Point	<b>77.0 mV dc at 200 sccm</b>
Sensor Current	<b>0.6 mA max.</b>	Null Shift over Temperature	<b>±2.0 mV dc typ. (-25 °C to 25 °C [-13 °F to 77 °F]); ±2.0 mV dc typ. (25 °C to 85 °C [77 °F to 185 °F])</b>
Output Shift over Temperature	<b>-3% FSO typ. (-25 °C to 25 °C [-13 °F to 77 °F]); ±1% FSO typ. (25 °C to 85 °C [77 °F to 185 °F])</b>	Repeatability	<b>±0.35 % FSO</b>
Null Offset	<b>±15.0 mV dc</b>	Response Time	<b>1 ms typ., 3 ms max.</b>

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## Documents

TITLE	DOCUMENT TYPE	LANGUAGE	SIZE
<b>AWM90000 Series AWM92100V CAD Model.stp</b>	CAD Model	--	488KB
<b>Airflow Sensors Line Guide</b>	Product Line Guide	English	132KB
<b>Airflow, Force, and Pressure Sensors Range Guide</b>	Product Range Guide	English	2MB
<b>AWM90000 Series Microbridge Mass Airflow Sensors</b>	Installation Instructions	English	160KB

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## Product Features

- Bi-directional sensing capability
- Actual mass air flow sensing
- Low differential pressure sensing

## Applications

- Continuous Positive Airway Pressure (CPAP) equipment

- Sleep apnea monitors
- Low vacuum control
- Respirators and ventilators
- Oxygen concentrators
- Oxygen Conservers
- Nebulizers
- Spirometers
- Anesthesia delivery
- Variable Air Volume (VAV) - Damper control
- Clogged filter detection
- Leak detection equipment


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