

# WHISPER™ Series

LOW PRESSURE DROP MASS FLOW METERS AND CONTROLLERS



*100 ms control  
response*

*Incredible  
sensitivity*

*Measurable flow from  
0.0005–1000 SLPM*

*Ready-to-ship  
inventory*

*Pressure drops  
as low as 0.07 PSI*



*Invisible Flow Measurement*

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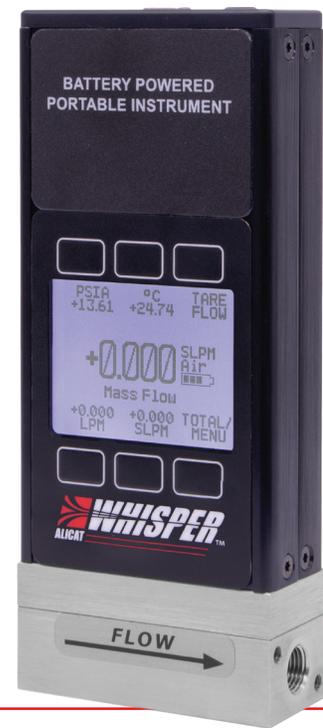
*Nearly invisible flow measurement and control  
for minimal system impact*

## Making You Faster

- <1 ms sensor response time
- **30–150 ms control response:**  
stills upstream fluctuations
- **Instant-on:** ready in <1 second
- **All flow data visible on one screen** (flow, pressure, temp)
- **Controller PD or PD<sup>2</sup>I valve tuning** for best speed and stability
- **Digital and analog outputs**

## Common Options

- **Bidirectional Flow Calibration**  
enables full-scale readings  
in both flow directions
- **Integrated Flow Totalizer**  
provides cumulative readings of  
total quantity flowed over time
- **Downstream Valve optimizes**  
control in vacuum conditions or  
backpressure applications
- **Backlit Color Display**  
shines in low lighting
- **CSA Class 1 Div 2 (ATEX Zone 2)**  
Classification permits operation  
in hazardous environments
- **Industrial communications:**  
EtherNet/IP, DeviceNet, PROFIBUS,  
Modbus, or EtherCAT



## Controllers

- Control flows for leak testing  
or anywhere you need to  
maintain system pressure

## Meters

- Monitor flows near  
atmospheric pressure

## Portable Meters

- Easy, no-impact flow  
verification instantly!