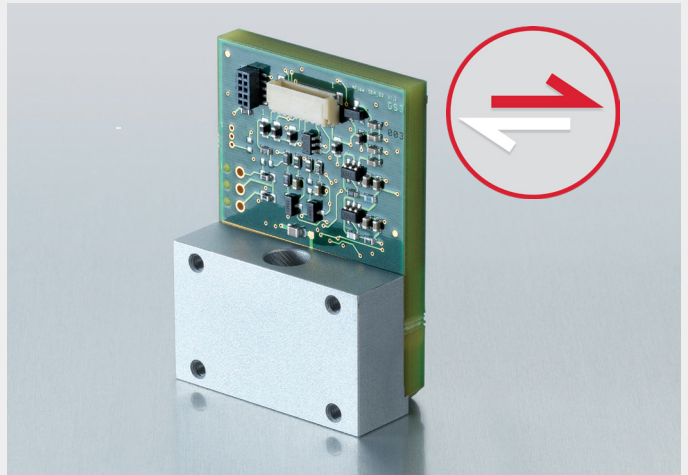


## OEM mass flow meters now available with bidirectional flow measurement

The trusted MFM 2000 series of OEM mass flow meters are now available with the ability to measure flow in both directions. Customers can expect the same high level of flow measurement performance that comes with the Axetris MEMS-based thermal mass flow technology.

Customers can select between

- **Symmetric version:** Can measure flows upto 100% F.S. in both forward and backward directions
- **Asymmetric version:** Can measure flows from 100% F.S. in the forward direction down to -10% of forward F.S. in the backwards direction



### Your Advantages

- Best-in-class Accuracy and Repeatability
- Ultrafast sensor response time
- Unmatched Dynamic Range
- Miniscule Pressure Drop

### Technical Specifications at a Glance

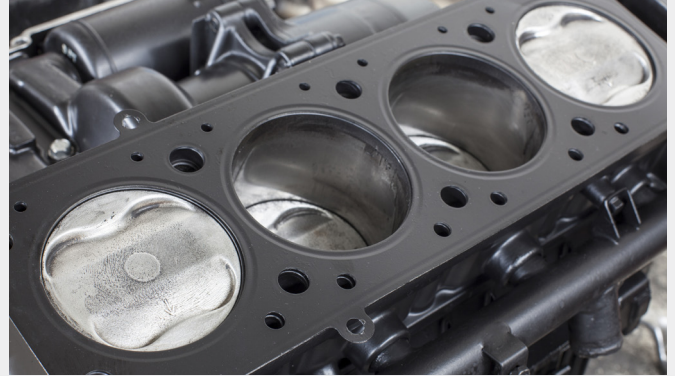
|                               |  |
|-------------------------------|--|
| Accuracy (Forward Direction)  | 25°C: $\pm 0.2\%$ F.S. / $\pm 1\%$ O.R.<br>0...50°C: $\pm 0.5\%$ F.S. / $\pm 2\%$ O.R. |
| Accuracy (Backward Direction) | $\pm 0.5\%$ F.S. / $\pm 5\%$ O.R.<br>whichever is greater                              |
| Options Available             | Symmetric +/-100% F.S.<br>Asymmetric +100%/-10% F.S.                                   |
| Repeatability                 | $\pm 0.01\%$ F.S. / $\pm 0.05\%$ O.R.<br>whichever is greater                          |
| Sensor Response Time          | 4 ms   |
| Pressure Drop                 | 35 Pa@50 sccm / 65 Pa@250 sccm   |
| Dynamic Range                 | > 1000:1   |

Typical values only. Please consult the product datasheet for detailed specifications and options available.  
F.S.: Full Scale in forward direction, O.R.: Of Reading

## Adding Value to OEM Applications

### Industrial Leak Testing

- Determine stable flow state to initiate leak test
- Increase leak test dependability
- Drastically reduce test cycle times



### Medical Ventilators

- Use same sensing element to measure inhalation and exhalation cycles
- Resolve breath patterns using the extremely fast sensor response
- Profit from sensor's dynamic range to build flexible instruments



### About Axetris Mass Flow Meters & Controllers

Axetris offers OEM mass flow meters (MFM) and controllers (MFC) which offer outstanding value to the customer. The proprietary, platinum-based MEMS chip technology guarantees excellent accuracy and repeatability in combination with high speed and an extended dynamic range.

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