

## MFD Plus<sup>+</sup> – Full Scale Flow now extended to 20,000 sccm

The trusted Axetris Plus<sup>+</sup> range of mass flow meters and controllers are now available for flow control upto 20,000 sccm (20 slpm).

The Axetris MFD Plus<sup>+</sup> range of mass flow meters and controllers provide an unmatched dynamic range of better than 2500:1. The new innovation from Axetris allows you to use a single mass flow device over a wide range of flow rates, helping you save costs, while taking the complexity out of design and logistics. The Plus<sup>+</sup> range of mass flow devices come in surprisingly compact sizes, enabling compact designs.



### Your Applications

- Analytical Instruments
- Leak Testing
- Thin Film Coating

### Our Strengths

- Unmatched Dynamic Range
- Excellent Repeatability
- Miniature Size
- Designed for OEMs



## Technical Specifications at a Glance

|               | Typical Value*  |
|---------------|---|
| Flow Range    | 0 – 20,000 sccm <sup>1</sup>  |
| Flow Accuracy | ± 0.2 % F.S. <sup>2</sup> / ± 1 % O.R. <sup>3</sup> whichever is greater      |
| Repeatability | ± 0.015 % F.S. <sup>2</sup> / ± 0.15 % O.R. <sup>3</sup> whichever is greater |
| Resolution    | 0.01% F.S. <sup>2</sup>   |
| Dimensions    | 50 x 22 x 52 mm (OEM Mass Flow Controller)                                    |

\* For specific details, please consult product datasheet / <sup>1</sup> sccm = standard cubic centimeters per minute / <sup>2</sup> Full Scale / <sup>3</sup> Of Reading  
For F.S.>15,000 sccm, specified accuracy is +/- 2.5% O.R. / specified repeatability is +/- 0.2% O.R.  
Standard F.S. with N2 calibration, max. F.S. available with other gases, please contact Axetris

## About Axetris AG

Axetris AG, a company of the Leister group, is serving OEM customers with micro technology based (MEMS) infrared light sources, laser gas sensors, mass flow sensors and controllers and micro-optical components used in industrial, process control, environmental, medical automotive and telecom applications.

Axetris supports its customers in many industries with in-depth application know-how. Our engineering and manufacturing teams combine broad experience in simulation, design, manufacturing and metrology from microchip level to advanced electronic and electro-optic modules.

Customers benefit from excellent product value, consistent high product quality and outstanding customer support. OEMs rely on Axetris as a competent and sub-system partner for a wide range of high-quality off-the shelf products as well as customer specific solutions from concept to volume production.

Axetris is ISO 9001 certified and operates its own 6" to 8" wafer MEMS foundry in Central Switzerland for its own products and external customers.



## About Axetris Mass Flow Meters and 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.

The Axetris mass flow technology is used by many leading companies in the fields of gas chromatography, leak testing, thermal analytics, mass spectroscopy, thin film deposition, plasma engineering and more.

Switzerland

### Axetris AG (Headquarters)

6056 Kaegiswil  
phone +41 41 662 76 76  
axetris@axetris.com  
www.axetris.com

USA

### Leister Technologies LLC

Itasca, IL 60143  
phone +1 844 293 8747  
axetris.usa@axetris.com  
www.axetris.com

China

### Leister Technologies Ltd.

Shanghai 201 109  
phone +86 21 6442 2398  
axetris@axetris.cn  
www.axetris.cn

Japan

### Leister Technologies KK

Shin-Yokohama 222-0033  
phone +81 45 477 36 37  
axetris@axetris.jp  
www.axetris.jp

**Swiss Made Quality.** Axetris is an ISO 9001:2015 certified enterprise.