

**NEW**  
Product Launching!



## • Bios Met Lab 800-3

Ultra Low Flow Cell

### How low can you go...

The Bios Met Lab 800 Ultra Low Flow Cell is the newest addition to the Met Lab Family of high-precision piston provers. The ML 800 now has four interchangeable flow cells covering the incredibly broad flow range of 0.5 to 50,000 sccm.

With the precision engineering and design, the ML 800 Ultra Low Flow Cell, Bios proven DryCal® technology will now accurately measure gas flows as low as 0.5 sccm.



# Bios

Driving a Higher Standard  
in Flow Measurement<sup>SM</sup>

### ML 800 Ultra Low Flow Cell Preliminary Specifications

<b>Flow Ranges</b>	0.5 to 50 sccm
<b>Accuracy</b>	0.5 to 1.0 sccm $\pm 0.5\%$ of reading 1.0 to 50 sccm $\pm 0.25\%$ of reading
	<ul style="list-style-type: none"><li>• Approximate Time between measurements (1 second @ 40 sccm 1 minute @ 0.4 sccm)</li></ul>
<b>Temperature Sensor</b>	Precision thermistor in flow stream
<b>Pressure Transducer</b>	Precision transducer measures cell gas pressure during measurement cycle
	<ul style="list-style-type: none"><li>• Cell has forced air circulation over measurement tube for thermal stability</li></ul>
<b>Gas Compatibility</b>	Non-corrosive, non-condensing, non-combustible gases.
	<ul style="list-style-type: none"><li>• Compatible with ML-800 bases loaded with firmware release 2.11 or higher (note: Bios will upgrade firmware to a customers existing ML-800 base with purchase of a Ultra Low Flow Cell)</li></ul>
<b>Inlet and Outlet Fittings</b>	1/8 inch Swagelok® compression fitting
<b>Operational Temperature Range</b>	15 - 30°C
<b>Storage Temperature Range</b>	0 - 70°C
<b>Operational Pressure</b>	15 PSI
<b>Cell Dimensions</b>	9" x 4" dia / 22.9 cm x 10.2 cm dia
<b>Cell Weight</b>	5 lbs / 2300 g
<b>Warranty</b>	1 year



The Bios facility in Butler, N.J., (pictured above) is one of the world's most accurate ISO 17025 laboratories serving the environmental and process control industries. With the lowest gas flow measurement uncertainties of any commercial laboratory, Bios provides you with the legal protections and peace of mind valued in today's litigious business environment.



## Bios

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