Met Lab® Series 800

ML-800

±0.15% Accuracy Primary Flow Standard

- **Reliable -** Over 15 years of Proven Bios DryCal® Technology
- **Traceability -** NVLAP-accredited; ISO 17025, ANSI Z-540, NIST Handbook 150
- **Flexible -** Portable, modular design: integrated software easily customized to your needs
- **Convenient -** Push button simplicity; dry - no mercury or other liquids

Mesa Met Lab® Series

The Mesa Met Lab® Series of positive displacement primary standards provides a cost-effective, entirely "dry" means of precisely measuring gas flow while maintaining defensible, direct traceability to NIST.

Met Lab® Series enables you to perform fast, incredibly accurate flow measurements, with the confidence of Proven Bios DryCal® technology.

Flexible Ways of Working

Met Lab's simple push-button operation and instant gas flow measurements require little user training and minimize user-interpretation - which means that multiple staff members can step in and perform precise calibrations at any time.

Mesa Met Lab® ML-800

Model	Flow Range*	Accuracy Standardized	Accuracy Volumetric
ML-800-3**	0.5-50 scc/min	±0.25%	±0.25% plus .002 sccm
ML-800-10	5-500 scc/min	±0.15%	±0.15%
ML-800-24	50-5,000 scc/min	±0.15%	±0.15%
ML-800-44	500-50,000 scc/min	±0.15%	±0.15%
ML-800-75***	1-100 slm	±0.15%	±0.15%

Accuracy is stated as a percent of reading (including standardization, if applicable).
CE-Compliant

*At gas pressure of 760 mmHg, and a gas temperature of 25° Centigrade with Standardization temperature set to 0° Centigrade.
**ML-800-3 is only compatible with ML-800 Bases loaded with a firmware release of 2.07 or higher.
***ML-800-75 is only compatible with ML-800 Bases loaded with a firmware release of 2.07 or higher.

Size

Device	Weight	Footprint (H x W x D)
ML-800	160 oz / 4550 g	17 x 6 x 11 in / 430 x 150 x 280 mm

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ML-800 Specifications

Gas Compatibility:	Noncorrosive, noncondensing, noncombustible gases, less than 70% humidity
Flow Modes:	Pressure or suction
Temperature and Pressure Sensors:	In the flow stream
Reading Modes:	Single, Auto or User-Specified Burst
AC Adapter/Charger:	12V DC, >500ma, 2.5 mm, center positive, North American standard, others available
Battery System:	6V rechargeable, sealed lead-acid, 6-8 hrs typical operation
Inlet and Outlet Fittings:	1/4" ID Swagelok® tube compression fittings (1/8" fittings Model 3) (1/2" outlet fitting Model 44)
Ambient Temperature:	15-30° C
Storage Temperature:	0-70° C
Ambient Humidity:	0-70%, non-condensing
Operating Pressure (Absolute):	Atmospheric, maximum 15 PSIA
Display:	Backlit LCD
Data Port (for use with Optimizer Software):	Serial (RS-232)
Warranty:	Product 1 year, battery 6 months

NVLAP®

NVLAP Lab Code 200661-0

Mesa's Butler, N.J. manufacturing facility (pictured above) is our NVLAP accredited ISO 17025 laboratory.