

FlexCal

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Mesa Labs' newest standardized and volumetric primary flow standard offers easy-to-navigate calibrations with unparalleled flow ranges, accuracy and portability. The FlexCal features:

- USB connectivity
- Flow ranges from 5 ccm to 50 LPM
- Quick start operation
- Graphical LCD display
- User-selectable flow units and time intervals



Our most flexible calibrator yet

High flow rate. High accuracy. High portability. The FlexCal offers flow ranges up to 50 LPM with a standardized accuracy of 0.5%, but is small, easy to carry and ready for even the most demanding of applications. When you use Mesa Labs' FlexCal, you are guaranteed high accuracy with high confidence without the use of soap bubbles, timers, or heavy provers. At Mesa Labs, we worry about calibration so you don't have to.

		FlexCal-H	FlexCal-M	FlexCal-L
Flow Ranges		0.5 - 50 LPM	50 ccm - 5 LPM	5 - 500 ccm
Accuracy		0.5% of reading		
User selectable measurement units	Volumetric	mL/min, L/min, cc/min, cf/min		
	Standardized	smL/min, sL/min, scc/min, scf/min		
	Temperature	°C °F		
	Pressure	mmHg, PSI, kPa		
Temperature and Pressure Sensor		Yes, in flow stream		
Dimensions (HxWxD)		6.7 x 6.25 x 2.9 in / 170 x 159 x 73.5 mm		
Weight		3 lb / 1.36 kg		

Mesa meets the highest quality assurance standards for gas flow measurement, including industry-leading ISO 17025 laboratory accreditation by the National Voluntary Accreditation Program (NVLAP). All primary measurements in our lab are traceable to national standards maintained by the National Institute of Standards and Technology (NIST). The FlexCal is RoHS compliant.

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Approximate Time per Reading:	1-15 seconds
Gas Compatibility:	Use with non-corrosive, non-condensing, non-combustible gases, less than 70% humidity
Flow Models:	Pressure or Suction
Measurement Cell Style:	Integrated
Reading Styles:	Single (manual), Continuous or Burst, with averaging function user-selectable from 1 to 100 measurements
AC Adapter/Charger:	12V DC, >250ma, 2.5 mm, center positive
Battery System:	6V rechargeable, sealed lead-acid, 6-8 hrs typical operation
Battery Operational Time (5 cycles/min):	3 hrs backlight on, 8 hrs backlight off
Pressure and Suction Fittings:	1/4" ID Swagelok® fittings, 3/8" fittings on High Model
Warranty:	1 year; battery 6 months
Storage Temperature:	0-70° C
Ambient Humidity:	0-70%, non-condensing
Operating Pressure (Absolute):	Atmospheric, 15 PSIA Max
Display:	Backlit graphical LCD
Data Port (for PC interface):	USB
Data Cable (for PC interface):	1 meter (FlexCal Data Port to PC serial port)
Protective Case:	Pelican case available



The Butler, N.J. manufacturing facility (pictured above) is Mesa Labs NVLAP accredited ISO 17025 laboratory.



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