



The *mini- BUCK CALIBRATOR*™ M-1/M-5/M-30

**TechBrief
T300-403**

The *mini-BUCK* Primary Flow Calibrator is the industry standard for day-to-day flow verification and calibration of your personal and environmental sampling pumps. It is also suitable for verifying rotameters, setting instrument panels, and calibrating laboratory instrumentation. No more lugging oversized calibration panels. No more rotameter inaccuracies. The *mini-BUCK Calibrator*™ is accurate at any altitude and can be used for flow measurements in-line with sampling media. Rugged design provides fast, one-handed operation with an easy-to-read LED display visible even in sunlight. Flow cells are sun shielded, with a sealed bubble stem for pressure readings, easy to clean, won't leak even if unit is inverted. The *mini-BUCK Calibrator*™ automatically displays averaged readings of volumetric flow and is NIST traceable with display accuracy of $\pm 0.5\%$. Now you have the advantage of accuracy and portability in one compact package that can be used in the lab or in the field: The *mini-BUCK Calibrator*™.

- Compact, Lightweight, Easy to Use
- Instant readout of volumetric flow rate for either vacuum or pressure pumps
- Wide choice of flow ranges:
 - Model M-1 0.1-300cc/min
 - Model M-5 1-6,000cc/min
 - Model M-30 100cc/min-30LPM
- One button control for fast, easy one-hand operation
- Works at any altitude without correction, resistant to temperature changes
- Microprocessor controlled for fast, accurate, repeatable measurements
- Rechargeable, replaceable battery pack with 8-hour continuous use rating
- Suitable for verifying rotameters, setting instrument panels, laboratory gas flow calibrations, anywhere a reliable, accurate measure of flow is required
- *Certificate of Calibration* shipped with each unit

**The first electronic gas flow standard,
NIST traceable with accuracy of $\pm 0.5\%$**



M-1 0.1-300 cc/min



M-5 1-6000 cc/min



M-30 0.1-30 LPM

Rev. 01-2006



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SPECIFICIATIONS

Model / Flow Range:	Model M-1 0.1-300cc/min Model M-5 1-6,000cc/min Model M-30 100cc/min-30LPM
Accuracy	± 0.5% of any display reading
Rechargeable NiCad Batteries:	4.8V Ni-Cad battery pack
Operating Temperature Limits:	32° to 104° F (0° to 40°C)
Dimensions:	5.5L x 6W x 2.5D inches (14L x 15.3W x 6.4D cm)
Warranty:	One year parts and labor

PRODUCT	DESCRIPTION
APB-801000	M-1 <i>mini-BUCK Calibrator™</i> , 0.1-300 cc/min, 120VAC standard charger Soap solution, dispenser bottle, operating manual
APB-801010	M-1 <i>mini-BUCK Calibrator™</i> , 0.1-300 cc/min, 230VAC standard charger GS/TUV, soap solution, dispenser bottle, operating manual
APB-805000	M-5 <i>mini-BUCK Calibrator™</i> , 1-6,000 cc/min, 120VAC standard charger soap solution, dispenser bottle, operating manual
APB-805010	M-5 <i>mini-BUCK Calibrator™</i> , 1-6,000 cc/min, 230VAC standard charger GS/TUV, soap solution, dispenser bottle, operating manual
APB-803000	M-30 <i>mini-BUCK Calibrator™</i> , 100 cc/min-30 LPM, 120VAC standard charger , soap solution, dispenser bottle, operating manual
APB-803010	M-30 <i>mini-BUCK Calibrator™</i> , 100 cc/min-30 LPM, 230VAC standard charger GS/TUV, soap solution, dispenser bottle, operating manual
CALIBRATOR ACCESSORIES / REPLACEMENT PARTS	
APB-108015	4.8V Ni-Cad Battery pack
APB-107014	Air Inlet Caps (pkg. 2)
APB-108000	Pelican 1400 Carrying Case: Outside dimensions 13 3/8"x 11 5/8"x 6+, Lifetime Warranty Approval Marks: IP 67, ATA Specification 300, Military Standard C-4150J
APB-108010	120VAC Standard Charger
APB-108012	230VAC GS/TUV Standard Charger
APB-108016	Operating Manual
APB-107030	8oz Soap solution
APB-107032	1oz Dispenser bottle

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