

Buck Basic-1™

Personal Sampling Pump

**The Most Powerful Low Flow
Sampling Pump for dedicated
Low Flow (5 to 600 cc/min) applications**



Features:

- **Basic, dependable pump for personal and area sampling**
- **Rugged construction stands up to everyday use**
- **Lightweight, Compact, Easy-to-use**
- **Easy keypad entry flow verification**
- **One-hour rechargeable, interchangeable battery packs**
- **Percent Battery Charge remaining feature puts you in control**
- **“Auto-restart” after flow fault**
- **EZ-Backlit™ Display for fast set-up and operation**
- **Programmable in three languages: English, Spanish, French**
- **Constant Flow Compensation up to 40” water back pressure**
- **Built-in Battery Maintenance program**

The Buck Basic-1™ is the most powerful low-flow sampling pump that can handle both personal and area sampling. Its advanced design, rugged dependability, and powerful operating features give you everything you need in one pump. The Buck Basic-1™ combines industry-leading one-hour recharging, interchangeable battery packs, built-in battery maintenance program, “Auto-restart” protection after flow fault, intrinsic safety, EMI-RFI protection, and water-dust resistance in a single, compact package. Plus flow verification is fast and easy with the reliable **mini-BUCK™ Calibrator**. You save time and money while ensuring an accurate, efficient sample from every pump.



www.apbuck.com

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**Buck-Basic™
Series**
Personal
Sampling
Pump



Specifications

Specifications subject to change without notice



Model: **Buck-Basic 1™**
Total Flow Range: 5 – 600 cc/min.
Constant Flow Range: 100 – 600 cc/min. Use Non-adjustable Tube Holder APB-109032.
Constant Pressure Range: 5 – 100 cc/min . Use Low Flow Holder APB-109033.
Accuracy: ± 3% of set point

Differential Pressure (DP) inches water	Table of Typical Battery Life in Hours : Constant Flow Mode						
	Flow Rate cc/min						
	100	200	300	400	500	600	
5 in.	18.8	15.8	14.3	12.5	11.1	9.7	
10 in.	16.7	14.3	13.0	11.1	10.0	8.6	
20 in.	14.3	12.5	11.1	10.0	9.1	7.9	
40 in.		11.5	10.0	8.8			

Display Data **Run Mode:** Battery (%), Elapsed Time, Cumulative Volume (L), Flow (cc/min)
Reset Mode: Clear all pump settings?, Clear elapsed time only?,
Verify/Cal Mode: Sampling Flow Verify?, Current Data, Clear Current Calibration?
Setup Mode: Select Constant Flow/Pressure?, Select Language?, Password Activate?
Rechargeable NiCad Batteries: 4.8V, 1.5 aH
Operating Temperature Limits: 32° to 104° F (0° to 40°C)
Size: 4.5"H x 4"W x 2"D (11.4 cm H x 10.2 cm W x 5 cm D)
Weight: 19 oz. (539 g)

Part Numbers

Pump Kits

- APB-927100 Buck-Basic 1,™ **Pump Kit** (includes pump w/ Standard battery pack, Low Flow Holder APB-109033, Non-adjustable Tube Holder APB-109032, shirt/hose clip, 3 ft. vinyl hose and Operating Manual). **Order Pump Charger and Accessories separately.**
- APB-942750 Buck-Basic 1™ **Pump 5-Pack** (includes 5 each: Buck-Basic 1™ pumps w/ Standard battery packs, Low Flow Holder APB-109033, Non-adjustable Tube Holder APB-109032, shirt/hose clip, 3 ft. vinyl hose), two Operating Manuals, one 1-hr. *FastFive*™ Charger **120VAC** in durable case that accommodates additional accessories. **Order Accessories separately.**
- APB-942760 Buck-Basic 1™ **Pump 5-Pack** (includes 5 each: Buck-Basic 1™ pumps w/ Standard battery packs, Low Flow Holder APB-109033, Non-adjustable Tube Holder APB-109032, shirt/hose clip, 3 ft. vinyl hose), two Operating Manuals, one 1-hr. *FastFive*™ Charger **230VAC** in durable case that accommodates additional accessories. **Order Accessories separately.**

Pump Chargers* (not included with Pump Kits unless specified)

- APB-601900 *FastOne*™ Charger Single Station, 120VAC
 APB-601910 *FastOne*™ Charger Single Station, 230VAC
 APB-605900 *FastFive*™ Charger Five Station, 120VAC
 APB-605910 *FastFive*™ Charger Five Station, 230VAC
 APB-603900 Standard Charger Single Station, 120VAC
 APB-603910 Standard Charger Single Station, 230VAC

Accessories (not included with Pump Kits unless specified)

- APB-109033 Low Flow Holder, for sample flows 5 to 75 cc/min in Constant Pressure Mode using *mini-BUCK*™ Calibrator, includes Standard Tube Cover APB-109022
 APB-109032 Non-Adjustable Low Flow Holder, allows sample flows greater than 75 cc/min in Constant Flow Mode, includes Standard Tube Cover APB-109022
 APB-129020 NiCad Battery, Standard Pack, UL, cUL, Ex, rechargeable, for Buck Basic-1 and 5, VSS-1 and 5 pumps
 APB-129320 NiCad Battery, Triple Pack, UL, cUL, Ex, rechargeable, for extended run times with Buck Basic -1 and 5, VSS-1 and 5 pumps
 APB-109056 Battery Eliminator, 120VAC, replaces Basic battery pack for continuous operation, **non-hazardous areas**
 APB-109058 Battery Eliminator, 230VAC, replaces Basic battery pack for continuous operation, **non-hazardous areas**

*Charging time depends on battery discharge level