

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.



A 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 entry with “Power Bar”
- 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 up to 60” water back pressure
- Built-in Battery Maintenance program



Performance Profile

Flow Range: 5-600 cc/min
5-100 cc/min with Universal Low Flow Holder

Compensation Range:
600 cc/min up to 30" water back pressure
400 cc/min up to 60": water back pressure
200 cc/min up to 60": water back pressure
100 cc/min up to 60": water back pressure

Accuracy:
5% or less of Compensation Range

<u>Run Times:</u>	<u>cc/min</u>			
	600	400	200	100
2"	10.2Hr	13Hr	17.3Hr	20.5Hr
5"	9.6Hr	12.4Hr	16.5Hr	20Hr
10"	9.2Hr	11.8Hr	15.2Hr	18Hr
20"	8.5Hr	10.8Hr	13Hr	15Hr
30"	7.2Hr	9.6Hr	11.7Hr	13Hr
40"		9Hr	10.1Hr	11Hr
50"		8.4Hr	9.5Hr	10.2Hr
60"		8Hr	8.5Hr	9.2Hr

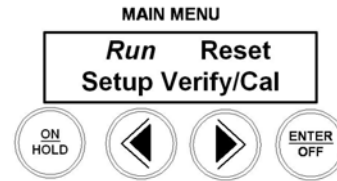
Data Storage: Last flow rate, elapsed clock time and accumulated volume is saved into memory until cleared for next sampling.

Display: Backlit LCD with 2 lines by 16 Characters

Normal Operation: Battery Level, Flow Rate, Elapsed Time, Volume Collected, Timer

Flow Fault Displays: Flow Fault, or Filter Off

Operating Instructions



Menus. A 4-function "Main Menu : (Run, Reset, Setup, Verify/Cal) provides the ability to select sample flow rate, clear previous data and pump settings, put pump on "HOLD", and turn the pump off, all through direct entry or various sub-Menus. Additional Menus allow Password Lock option, types of Flow Control and Language selection.

Specifications

Power Supply:
Single Pack, NiCad Batteries: 4.8V, 1.5 aH
Triple Pack, NiCad Batteries 4.8V, 4.5 aH

Recharge Time: Charger:

<u>Battery</u>	<u>FastOne™</u>	<u>FastFive™</u>	<u>Standard</u>
Single Pack	1Hr	2Hr	16Hr
Triple Pack	3Hr	6Hr	

Fast-Chargers: input voltage 100 to 240 VAC
Standard-Chargers: Input Voltage 120 VAC or 230 VAC

Approvals:

Temperature:
Operating 32°F to 113°F (0°C to 45°C)
Storage 32°F to 113°F (0°C to 45°C)
Charging 41°F to 104°F (5°C to 40°C)

Case: Polycarbonate steel fiber filled, RFI/EMI-shielded
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 (539g)

PRODUCT	DESCRIPTION
APB-927100	*BUCK-BASIC™ 1 Pump Kit
APB-942750	**BUCK-BASIC™ 1, 5-pack Pump Kit
APB-109030	Adjustable Universal Low Flow Holder

Rev. 01-2006

* Pump kit includes pump with a single pack NiCad battery, standard 120 VAC battery charger, adjustable low flow holder, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and operating manual.

** Pump 5-pack includes 5 each: pumps with single pack NiCad batteries, adjustable low flow holder, Luer hose adapter, shirt/hose clip, and 3 feet of vinyl hose. Also included: two operating manuals, one *FastFive™* charger 100-240 VAC, and a durable hard plastic Pelican 1500 case with a lifetime warranty that accommodates additional accessories.