

The *BUCK VSS-5™* (Validated Sampling System) is the smallest, most powerful 5LPM data-logging pump for industrial hygiene, personal and area sampling, environmental sampling, and occupational health studies. Its advanced design, easy programmability, advanced operating software, and powerful sampling performance combine to give you everything you need in one pump. You can link a sample number, pump serial number, calibrator serial number, calibration data, and performance data to prove a valid sample. The one-hour recharging, interchangeable battery packs, built-in battery maintenance software, and easy switching from Constant Flow (cassettes) to Constant Pressure (sorbent tubes) without tools or accessories means you save time and money while ensuring an efficient, valid sample.



A Powerful Low Flow Data-Logging Sampling Pump for dedicated Low Flow (5 to 600 cc/min) applications



Features:

- Validated Sample System maintains sample integrity
- Compact, Lightweight, and Ultra-quiet
- Displays: Flow, Cumulative Volume, Elapsed Time, Temperature, Pressure
- Automatic Data Logging holds up to 10 days operating history
- Prints Pump Sampling History direct to printer
- Programmable in five languages:
 - English, Spanish, French, German, Dutch
- EZ-Backlit™ Display for fast set-up and operation
- Constant Flow Compensation up to 60" water back pressure
- One-hour battery packs rechargeable and interchangeable
- Fully programmable for "Duration" or "Start-Stop" operation
- Built-in battery maintenance program, plus Battery Time Left display
- Automatically corrects for temperature and pressure changes
- Ideal for I.H., area sampling and environmental sampling



Rev. 08-07

Performance Profile

Flow Range: 5-5000 cc/min
5-800cc/min with Universal Low Flow Holder

Compensation Range:

5000 cc/min up to 2" water back pressure
4000 cc/min up to 10": water back pressure
3000 cc/min up to 30": water back pressure
2000 cc/min up to 60": water back pressure
1000 cc/min up to 60": water back pressure

Accuracy:

5% or less of Compensation Range

Run Times:	cc/min				
	5000	4000	3000	2000	1000
2"	8.4Hr	9.9Hr	11.8Hr	14.5Hr	18.5Hr
5"		8.3Hr	10.4Hr	13.2Hr	17Hr
10"		7.1Hr	8.8Hr	11.1Hr	14.5Hr
20"			6.6Hr	8.2Hr	9.8Hr
30"			5.4Hr	6.6Hr	8.1Hr
40"				5.7Hr	6.6Hr
50"				5.1Hr	5.6Hr
60"				4.6Hr	5Hr

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

Run Reset Flo/Pr
Setup Print Cal.



Menus. A 6-function "Main Menu : (RUN, RESET, FLO/PR, SETUP, PRINT, 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 Timing Routines for "Delayed Start" and "Auto Off", and types of Flow Control.

Specifications

Power Supply:

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

Recharge Time:

Battery	Charger:		
	FastOne™	FastFive™	Standard
Single Pack	1Hr 15Mn	1Hr 15Mn	16Hr
Triple Pack	3Hr 45Mn	3Hr 45Mn	

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-929000	*BUCK-VSS™ 5 Pump Kit
APB-942900	**BUCK-VSS™ 5, 5-pack Pump Kit
APB-109030	Adjustable Universal Low Flow Holder

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* Pump kit includes pump with a single pack NiCad battery, standard 120 VAC battery charger, 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, 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.