

techbrief 50

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.

Buck VSS-5™ Validated Sampling System



The Most Powerful Data-Logging Pump for
Low Flow (5 to 800 cc/min) and
High Flow (0.8 to 5 LPM) 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

BUCK
A.P. BUCK, INC.

A.P. BUCK, INC.
7101 Presidents Drive • Suite 110 • Orlando, FL 32809
Tel. 1-800-330-2825 407-851-8602 • Fax. 407-851-8910
apbuck@apbuck.com • www.apbuck.com

VSS-5™

Specifications

Subject to change without notice

Model: Buck VSS-5™

Total Flow Range: 0.005-5 LPM

Constant Flow Range: 800-5000 cc/min

Constant Pressure Range: 5-800 cc/min
use Universal Adjustable Low Flow Tube Holder
APB-109033

Accuracy: ± 3% of set point

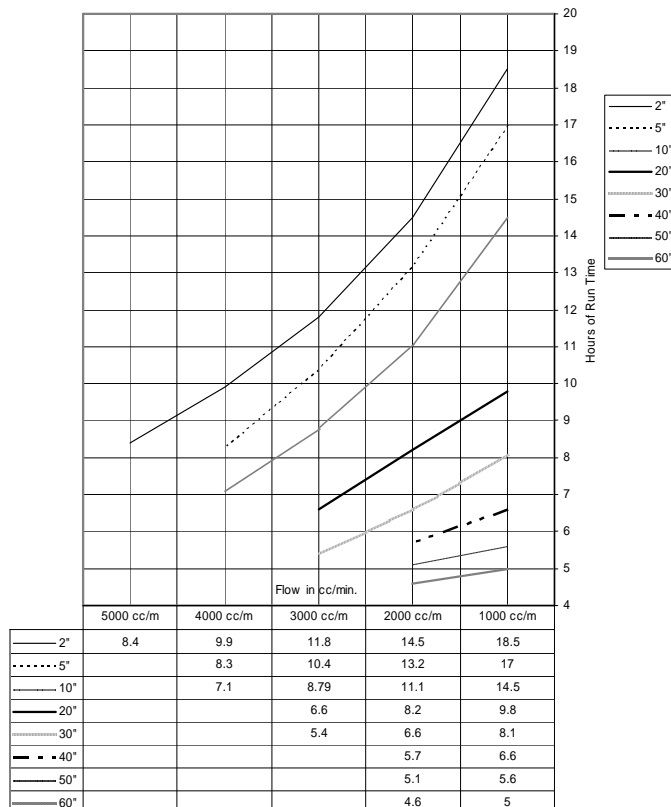
Rechargeable NiCad Batteries: 4.8V, 1.5aH

Operating Temp. Limits: 32°F to 104°F
(0°C to 40°C)

Size: 4.5" H x 4" W x 2" D
11.4cm H x 10.2cm W x 5cm D

Weight: 19 oz (539 g)







VSS-5 Performance and Run Times
Graph Curves are in Inches of Backpressure
Single Battery Pack Data (Triple Pack Run Times are tripled)



Pump Kits

- APB-929000 Buck VSS-5™ Pump Kit, **ETL, cETL, CE**, includes pump with battery pack, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose and Operating Manual. **Order Pump Charger and Accessories separately.**
- APB-929200 Buck VSS-5™ Pump Kit - same as above except intrinsic safety listed as **EX, D, and CE**
- APB-942900 Buck VSS-5™ Pump **Five-Pack, ETL, cETL, CE**, includes 5 each: VSS-5™ pumps with battery packs, Luer hose adapter, shirt/hose clip, 3 feet of vinyl hose, two Operating Manuals, one *FastFive™* Charger 90-240VAC, in durable hard plastic case with lifetime warranty that accommodates additional accessories. **Order Accessories separately.**
- APB-942910 Buck **VSS-5™ Pump Five-Pack** - same as above except intrinsic safety listed as **EX, D, and CE**

Pump Chargers*

- APB-601900 *FastOne™* Charger Single Station, 90-240 VAC   , GS/TUV. Charging time ONE Hour
- APB-605900 *FastFive™* Charger Five Station, 90-240 VAC   , GS/TUV. Charging time ONE Hour
- APB-603900 Single Station Charger, 120VAC,  Charging time 8 Hours
- APB-603910 Single Station Charger, 230VAC  , GS/TUV. Charging time 8 Hours

Accessories

- APB-109030 Universal Adjustable Low Flow Sorbent Tube Holder, for flow rates of 5-800cc/min in Constant Pressure Mode includes APB-109022 Protective Tube Cover
- APB-109032 Non-Adjustable Low Flow Sorbent Tube Holder, for flow rates greater than 800cc/min in Constant Flow Mode includes APB-109022 Protective Tube Cover
- APB-129022 Standard rechargeable NiCad battery, **ETL, cETL, CE**
- APB-129020 Standard rechargeable NiCad battery, **EX, D, CE**
- APB-129322 Extended run, rechargeable NiCad battery, **ETL, cETL, CE**, gives you 300% more run time per charge
- APB-129320 Extended run, rechargeable NiCad battery, **EX, D, CE**, gives you 300% more run time per charge
- APB-109056 AC Power Supply, 90-240VAC, plugs into the battery pack for continuous operation, **in non-hazardous area only**
- APB-109012 VSS Printer Cable, allows VSS Series pumps to print Sample History Reports direct to printer
- APB-109100 VSS PC Link Express™ Software Package, including one CD-ROM, one APB-109048 Communication Cable, one 9-25 pin adapter, installation instructions
- APB-109048 VSS Communication Cable, 6 pin mini-DIN to 9 pin DSUB connector
- APB-109060 Nylon Pouch includes belt loop, shoulder strap, clear plastic window on front flap and is washable