



Staplex

PST-5000 Personal Air Sampler

Compact, Powerful 5-Liter Sampling Pump for both High Flow (0.6 to 5 LPM) and Low Flow (5 to 600 cc/min) applications

Features:

- **Basic, dependable pump for personal and area sampling**
- **Dual flow range easily handles filters, impingers, cyclones, tubes**
- **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, plus "Filter-Off" feature**
- **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**
- **Displays: Elapsed Time, Percent Battery Charge remaining, Cumulative Volume Sampled and Flow rate.**

The PST-5000 handles personal air sampling for many industrial hygiene, safety, asbestos and lead air sampling applications. Its advanced design, rugged dependability, and powerful operating features give you everything you need in one pump. The PST-5000 combines industry-leading one-hour recharging, interchangeable standard and long run battery packs, built-in battery maintenance program, "Auto-restart" plus "Filter Off" 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 and primary or secondary calibrator. You save time and money while ensuring accurate, efficient sampling. Made in U.S.A.

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Staplex PST-5000 Series Personal Air Samplers

High Flow Range: 0.6 - 5 LPM (600 cc/min to 5,000 cc/min) with Non-adjustable Low Flow Holder

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

Accuracy: ± 3% of set flow

| Table of Typical Battery Life in Hours Constant Flow Mode (with Standard Battery Pack) Flow Rate LPM | | | | | | |
|--|------|------|-----|-----|-----|-----|
| Cassette Type | 2 | 2.5 | 3 | 3.5 | 4 | 4.5 |
| 25 mm 0.8 micron | 10.1 | 8.1 | 6.8 | 5.9 | | |
| 37 mm 0.8 micron | 11.8 | 9.4 | 7.7 | 6.5 | | |
| 37 mm glass fiber | 13.4 | 10.9 | 9.4 | 8.1 | 7.1 | 6.3 |
| 47 mm glass fiber | 14.3 | 11.6 | 9.7 | 8.4 | 7.4 | 6.5 |

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: With Standard Battery Pack: 4.5" H x 4" W x 2" D (11.4 cm H x 10.2 cm W x 5 cm D)

Model PST-5003: With Long Run Battery Pack: 5.75" H x 4" W x 2 " D (14.6 cm H x 10.2 cm W x 5 cm D)

Weight: With Standard Battery Pack: 19 oz. (539 g)

Model PST-5003: With Long Run Battery Pack: 23 oz. (652 g)

| Recharge Time: | Single or 5 Station | |
|--|---------------------|--------------|
| | Standard Charger | Fast Charger |
| Standard Battery Pack | 12 hours | 1 hour |
| Long Run Battery Pack | 21 hours | 3 hours |
| Note: Actual recharge time depends on discharge level at start of charging period. | | |