

Air Sampler 1000 Series

(1000-3000 ml/min)



Small in size, simple to use and easy to operate, the Particles Plus® Air Sampler 1000 Series is ideal for personal sampling applications. Only weighing 0.70 lbs which provides a flow range between 1000 - 3000 ml/min.

The 1000 Series allows for constant flow correction even with changes in ambient temperature and barometric pressure through our ultra-quiet rotary vane vacuum pump technology. The easy to read LED display provides accumulated sampling volume and a battery conservation mode after 30 seconds of idle use allowing for over 30+ hours of continuous sampling. The power switch allows for easy operation including Continuous Sampling, Volume Reset, and Battery Conservation Mode, with the push of a button.

Performance

- Flow Range: 1000 - 3000 ml/min
- Flow Control: Holds constant flow to $\pm 5\%$ of set-point

General

- Controls: Power Switch, Pump Control
- Additional Features: Quiet Rotary Vane Pump, Protective Holster
- Long-life Battery, Built in Belt-Clip, Replaceable Filter
- Dimensions: 3.50 in. x 3.66 in. x 1.85 in. (8.89 cm x 9.30 cm x 4.70 cm)
- Weight: 11.2 ounces (317.5 grams)

Battery

- Type: Lithium-Ion Rechargeable Battery
- Run Time: >30 hours continuous use
- Battery Recharge Time: 2 Hours

Environment

- Temperature Ranges

Operating Temperature: -20°C to 45°C (-4°F to 113°F)

Storage Temperature: -40°C to 45°C (-40°F to 113°F)

Charging Temperature: 5°C to 45°C (41°F to 113°F)

- Humidity Ranges

Operating: 5 to 85% RH, non-condensing

Storage: 5 to 98% RH, non-condensing

