

AirChek XR5000 Sample Pump

Supercharged Li-Ion Battery Power!

Flows: 5 to 5000 ml/min



Top view



Three battery options

⦿ **Extended flow range: 5 to 5000 ml/min[†]**

- Suitable for low flow gas/vapor or high flow particulate sampling
- Optional low flow holder (low flow adapter kit, Cat. No. 210-500) used with CPC allows up to four tube samples to be taken simultaneously, each at different flow rates if desired

⦿ **Enhanced battery power for extended run times^{*}**

XR5000 Model	2 L/min	5 L/min
High-power Li-Ion	40 hours	22 hours
Standard Li-Ion	20 hours	11 hours
Alkaline	18 hours	8 hours

** Results of run time tests using 37-mm, 0.8-µm MCE filters with new pumps and batteries. Pump and battery performance may vary.*

⦿ **Extended backpressure capabilities**

- Up to 50 inches water at 2 L/min

⦿ **Patented^{**} highly accurate isothermal flow control system**

⦿ **Extremely simple to use**

- Easy-to-use three-button keypad
- Set-and-go timer for timed and delayed runs to 9999 minutes
- Continuous run with the touch of a button
- Large LCD displays elapsed time and accumulated run time
- Bright blue status LED

⦿ **Automatic features for sample integrity**

- Flow correction for changes in temperature
- Lockable keypad
- Flow fault indicator
- Auto-restart from flow fault
- Accumulated run time display
- Battery status indicator

⦿ **Three interchangeable battery options**

- High-power Li-Ion for extended runs
- Standard Li-Ion for lighter weight
- Disposable AA alkaline batteries for fast emergency response

⦿ **Standard model weighs only 16 ounces (454 grams)**

⦿ **Li-Ion models UL Listed for intrinsic safety**

⦿ **The first RoHS compliant sample pump!**

- Components meet Euro directive for reduction of hazardous substances (including lead) to support green initiatives

^{**} U.S. Patent No. 5,892,160

[†] 5 to 500 ml/min with Low Flow Adapter Kit





Quick View

AirChek XR5000 Sample Pump

Performance Profile

Flow Control Accuracy	± 5% of set-point after calibration to desired flow
Timing Accuracy	1 min/mo at 25 C
Typical Run Time	Li-Ion battery: ± 20 hrs (see table on reverse) Charger: Extended runs when attached to charger
Charge Time (varies with capacity and level of charge)	Standard 2-cell Li-Ion: Approximately 4 hrs (with approved charger) High-power 4-cell Li-Ion: Approximately 8 hrs (with approved charger)
Temperature Range	Operating: 32 to 113 F (0 to 45 C) Charging: 32 to 113 F (0 to 45 C) Storage: -4 to 95 F (-20 to 35 C)
Timer Display Range	1 to 9999 min (6.8 days); display rolls over to 0 upon reaching 9999 min
Auto-off	After 5 min of inactivity
Flow Fault	After 15 sec, pump stops, holds run time display, and displays fault icon. After 15 sec in fault, auto-restart is attempted every 15 sec up to 5 times
Low Battery Fault	15 sec to sleep

Ordering Information

AirChek XR5000 Pumps require 1/4-inch ID tubing.

AirChek XR5000 with High-power Li-Ion[‡]

Pump and Kits	Cat. No.
Pump with battery and screwdriver set, <i>requires charger, see kits or chargers below</i>	210-5001
Starter Kit includes pump, charger, Tygon tubing (3 feet, 1/4-inch ID), and collar clip with cable tie	100-240 V 210-5001-S
Single Pump Kit includes pump, charger, cassette holder, and soft-side nylon carry case	100-240 V 210-5001K
5-pack High Flow Pump Kit includes 5 pumps and cassette holders and Take Charge 5 Multi-charger, in a Pelican case	100-240 V 210-5001K5
5-pack High/Low Flow Pump Kit includes 5 pumps, cassette holders, adjustable low flow holders, constant pressure controllers, and Type A tube covers and Take Charge 5 Multi-charger, in a Pelican case	100-240 V 210-5001K5D
Replacement 4-cell Li-Ion Battery Pack	P85004

[‡] AirChek XR5000 pumps with Li-Ion batteries may be subject to special shipping regulations.

AirChek XR5000 with Standard Li-Ion[‡]

Pump and Kits	Cat. No.
Pump with battery and screwdriver set, <i>requires charger, see kits or chargers below</i>	210-5002
Starter Kit includes pump, charger, Tygon tubing (3 feet, 1/4-inch ID), and collar clip with cable tie	100-240 V 210-5002-S
Single Pump Kit includes pump, charger, cassette holder, and soft-side nylon carry case	100-240 V 210-5002K
5-pack High Flow Pump Kit includes 5 pumps and cassette holders and Take Charge 5 Multi-charger, in a Pelican case	100-240 V 210-5002K5
5-pack High/Low Flow Pump Kit includes 5 pumps, cassette holders, adjustable low flow holders, constant pressure controllers, and Type A tube covers and Take Charge 5 Multi-charger, in a Pelican case	100-240 V 210-5002K5D
Replacement 2-cell Li-Ion Battery Pack	P85002

[‡] AirChek XR5000 pumps with Li-Ion batteries may be subject to special shipping regulations.

Pump and Kits	Cat. No.
Pump with 6 AA batteries and screwdriver set	210-5003
5-pack High Flow Pump Kit includes 5 pumps and cassette holders, in a Pelican case	210-5003K5
5-pack High/Low Flow Pump Kit includes 5 pumps, cassette holders, adjustable low flow tube holders, constant pressure controllers, and Type A tube covers, in a Pelican case	210-5003K5D
Alkaline Battery Pack includes 6 alkaline batteries	P75715

Accessories	Cat. No.
Chargers	
Single	100-240 V 223-241
Take Charge 5 Multi-charger	100-240 V 223-441

Note: Replacing batteries with non-approved battery packs voids any warranty and UL intrinsic safety approvals.

SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skcinc.com/warranty.asp>.

Flow Rate (ml/min)	5 to 5000
Weight in Ounces (grams)	16 (454), 2 cell Li-Ion Model
Compensation Range (inches water)	Up to 10 at 5 L Up to 50 at 2 L
Built-in Timer/Clock	Timer
Constant Flow	Yes
Programmable	Yes
PC-compatible	N/A
Multi-tube Sampling	Yes
Flow Fault Feature	Yes
RF/EMI Shielded	Yes
Intrinsically Safe — UL Listed	Yes (Li-Ion battery models only)
MSHA-approved Models Available	N/A
ATEX Models Available	N/A
CE Marked	Yes
RoHS Compliant	Yes
Corrects for Changes in Atmospheric Pressure	N/A
Corrects for Changes in Temperature	Yes
Battery Type	High-power Li-Ion (7.4 V, 4.4 Ah, 32.6 Wh) Standard Li-Ion (7.4 V, 2.2 Ah, 16.3 Wh) Alkaline - size AA, 1.5 V
Battery Check	Yes
Tubing	Requires 1/4-inch ID tubing

Recommended Accessories
Chargers
Defender Calibrator Cat. No. 717-510M
Low Flow Adapter Kit Cat. No. 210-500
Filter Holders
Tubing
Cases/Pouches
Adjustable Low Flow Holders