

AirChek XR5000 Sample Pump

Supercharged Li-Ion Battery Power!

Flows: 5 to 5000 ml/min



Top view



Two 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

^{*} 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

- Large 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

Two interchangeable battery options

- High-power Li-Ion for extended runs
- Standard Li-Ion for lighter weight

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, and cassette holder, in a 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 Flow Pump/Calibrator Kit includes 5 pumps and cassette holders, Take Charge 5 Multi-charger, Defender calibrator Cat. No. 717-510M, and a Pelican case	100-240 V 210-5001K5-510M
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, and cassette holder, in a 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 Flow Pump/Calibrator Kit includes 5 pumps and cassette holders, Take Charge 5 Multi-charger, Defender calibrator Cat. No. 717-510M, and a Pelican case	100-240 V 210-5002K5-510M
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

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Accessories	Cat. No.
Chargers	
Single	100-240 V 223-241
Take Charge 5 Multi-charger	100-240 V 223-441
Low Flow Adapter Kit (5 to 500 ml/min) includes constant pressure controller (CPC), single adjustable low flow holder, and Type A tube cover, <i>suitable for both XR5000 models</i>	210-500
Protective Pouches , nylon, with belt, adjustable waist, and shoulder strap	
Black , for high-power model	224-88
Red, high-profile , for high-power model	224-96A
Black, noise-reducing , for high-power model	224-96C
Black, noise-reducing , for standard model	224-913

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.skcinco.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 — cUL US Listed
Yes
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)
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