

AirChek XR5000 Sample Pump

Powerful Sampling—Simple Operation

Flows: 5 to 5000 ml/min



Top view



Two battery options

Certifications

Intrinsic safety: UL913, CAN/CSA C22.2

Other: CE, UKCA

Extended flow range: 5 to 5000 ml/min†

- Suitable for low flow gas/vapor or high flow particulate sampling
- All-in-One adjustable tube holder for single-tube sampling
- Optional multiple low flow holders used with CPC allow 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- μ m MCE filters with new pumps and batteries. Pump and battery performance may vary.

Extended back pressure capabilities

- Up to 50 inches water at 2 L/min

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 pump 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)

UL Listed for intrinsic safety

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

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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	Standard Li-Ion battery: 20 hrs High-power Li-Ion battery: 40 hrs Charger: Extended runs when attached to charger
Charge Time <i>(varies with capacity and level of charge)</i>	Standard 2-cell Li-Ion: Approximately 4 hrs <i>(with approved charger)</i> High-power 4-cell Li-Ion: Approximately 8 hrs <i>(with approved charger)</i>
Temperature Range	Operating: 32 to 104 F (0 to 40 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 hard-sided case	100-240 V	210-5001K5
5-pack High/Low Flow Pump Kit includes 5 pumps, cassette holders, All-in-One adjustable tube holders, and Type A protective tube covers and Take Charge 5 Multi-charger, in a hard-sided case	100-240 V	210-5001K5D
Replacement 4-cell Li-Ion Battery Pack		P85004A

[‡] AirChek XR5000 pumps contain Li-Ion batteries and are 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 hard-sided case	100-240 V	210-5002K5
5-pack High/Low Flow Pump Kit includes 5 pumps, cassette holders, All-in-One adjustable tube holders, and Type A protective tube covers and Take Charge 5 Multi-charger, in a hard-sided case	100-240 V	210-5002K5D
Replacement 2-cell Li-Ion Battery Pack		P85002A

[‡] AirChek XR5000 pumps contain Li-Ion batteries and are subject to special shipping regulations.

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 All-in-One adjustable tube holder and Type A protective 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

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, 5.2 Ah, 38.5 Wh) Standard Li-Ion (7.4 V, 2.6 Ah, 19.2 Wh)
Battery Check	Yes
Tubing	Requires 1/4-inch ID tubing

Recommended Accessories
Chargers
Low Flow Kit
Cat. No. 210-500
Adjustable Low Flow Tube Holders
Filter Holders
Tubing
Cases/Pouches