

AirChek XR5000 Sample Pump

Supercharged Li-Ion Battery Power!

Flows: 5 to 5000 ml/min



Top view



Three battery options

- Extended flow to 5000 ml/min[†]
 - Suitable for low flow gas/vapor or high flow particulate sampling

Enhanced battery power for extended run times*

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

* Using 37-mm 0.8-µm MCE filters

- 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
- CE marked
- 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 with High-power Li-Ion[‡]

Pump and Kits	Cat. No.
Pump with battery , requires charger, see kits or accessory below	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 5-station 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 5-station 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 dependent upon quantity.

AirChek XR5000 with Standard Li-Ion[‡]

Pump and Kits	Cat. No.
Pump with battery , requires charger, see kits or accessory below	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 5-station 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 5-station 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 dependent upon quantity.

Pump and Kits	Cat. No.
Pump with 6 AA batteries	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	100-240 V 223-441

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

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
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	