



AirChek ESSENTIAL

Low Price, Simple Operation Sample Pump
No operating manual needed!
5 to 5000 ml/min

www.skcinc.com



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Intuitive touch keypad operation

KEY FEATURES

- **Flows from 5 to 5000 ml/min**
 - 5 to 500 ml/min with low flow holder accessory
 - Multiple-tube sampling with low flow accessories
- **High back pressure compensation**
 - Up to 50 inches water at 2 L/min
- **Li-Ion battery — over 40-hour run times**
- **Corrects flow for changes in temperature and atmospheric pressure**
- **Bright running and status LEDs**
- **Displays elapsed time**
- **Flow fault and auto-restart**
- **Tough no-slip anti-static case**
- **Ultra-quiet**
- **Small and lightweight**
- **Convenient charging cradle**
 - Chain up to 5 cradles
- **Screen protection and security**
 - Protective cover
 - Screen lock-out feature

PERFORMANCE PROFILE

Flow Range

- Constant flow from 1000 to 5000 ml/min (5 to 500 ml/min requires low flow holder)

Compensation Range (Back Pressure Capability)

- 5000 ml/min at 20 inches water back pressure
- 4000 ml/min at 30 inches water back pressure
- 3000 ml/min at 40 inches water back pressure
- 2000 ml/min at 50 inches water back pressure
- 1000 ml/min at 60 inches water back pressure

Power

- Removable rechargeable lithium-ion (Li-Ion) battery, 7.4 V, 2.6 Ah, 19.2 Wh or AC using cradle

Run Time

- 40+ hours at 2000 ml/min,* 15+ hours at 5000 ml/min,* Indefinite run from charging cradle

Accuracy

- Flow control: $\pm 5\%$ of set-point after calibration to desired flow
- Atmospheric pressure: ± 0.3 in Hg
- Temperature: ± 1 C

Display/Parameters

- B&W display, elapsed sampling time

User Interface

- Capacitive touch keypad with locking option

Sound Level

- Average 51.7 dB at 3-ft (1-m) distance using a 37-mm, 0.8- μ m MCE filter cassette

Tubing

- Requires 1/4-inch ID tubing

Dimensions/Weight

- 4.1 x 3.7 x 2.8 in (10.4 x 9.4 x 7.1 cm), 19.4 oz (550 gm)

Certifications

- Intrinsic safety (SKC Cat. No. 220-3000 operated with SKC Battery Pack Cat. No. P75718)
- Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III, T4; Class I, Zone 0
- AExia IIC T4 Ga; Exia IIC T4 Ga; -20 C \leq Ta \leq 45 C
- Ex II 1G; IECEx UL 19.0100
- DEMKO 19ATEX 2288
- CE 0539
- RoHS compliant
- Designed to meet ISO 13137:2013



ORDERING

Available as Cat. No.

220-3000	AirChek Essential Pump only
220-3000-S	Starter Pump Kit
220-3000-K	Single High Flow Pump Kit
220-3000-K3D	3-pack High/Low Flow Pump Kit
220-3000-K5	5-pack High Flow Pump Kit

"Pump only" requires charging cradle and power supply that are included in kits. See more at www.skinc.com.

Recommended Calibrator

375-0550N	chek-mate with NIST-traceable calibration certificate
375-0550	chek-mate with UKAS-traceable calibration certificate

Recommended Accessories

210-500	Low Flow Kit
224-911	Protective Pouch

For ordering details and additional accessories, visit www.skinc.com.

Selection Guide

AirChek®	AirChek ESSENTIAL	AirChek TOUCH	AirChek CONNECT
Listed Intrinsically Safe	•	•	•
Operation	Touch keypad	Touch screen	Touch screen
Programmable		•	•
PC Compatible – Download History		•	•
Bluetooth			•
Mobile App			•
Compensates for Changes in Temperature and Atmospheric Pressure	•	•	•
Flow Fault/Auto-restart	•	•	•