AirChek ESSENTIAL

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

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), 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: ± 5% of set-point after calibration to desired flow • Atmospheric pressure: ± 0.3 in Hg • Temperature: ± 1.0 C
Display/Parameters	• B&W display, elapsed sampling time
User Interface	• Capacitive touch screen with locking option
Sound Level	• Average 51.7 dB at 3-ft (1-m) distance using a 37-mm, 0.8-µm MCE filter cassette
Tubing	• Requires ¼-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 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 ≤ Ta ≤ 45°C Ex II 1G; Exia IIC T4 Ga; IECEx UL 19.0100 • UL22UKEX2351 • UK/CA 0843 • DEMKO 19ATEX 2288 • CE 0539 • RoHS compliant • Designed to meet ISO 13137:2013

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* Tested using 37-mm, 0.8-µm MCE filter with new pump and battery. Pump performance may vary.

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.skcinc.com.

Recommended Calibrator†

375-0550N	chek-mate with NIST standard traceable calibration certificate
375-0550	chek-mate with UK standard traceable calibration certificate

†Available with ISO standard traceable certificate. Contact SKC for details.

Recommended Accessories

210-500	Low Flow Adapter Kit
224-911	Protective Pouch

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

Selection Guide

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

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