Graphic LCD and easy navigation

KEY FEATURES

- **Easy touch screen navigation – no guessing**
- **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
- **Corrects flow for changes in temperature and atmospheric pressure**
- **Li-Ion battery — over 40-hour run times**
- **Bright running and status LEDs**
- **Displays elapsed time and battery status**
- **Flow fault and auto-restart**
- **Tough no-slip anti-static case**
- **Small, lightweight, and ultra-quiet**
- **Convenient charging cradle**
  - Chain up to 5 Standard cradles
  - New economical Lite Cradle charger available
- **Screen protection and security**
  - Protective cover
  - Screen lock-out feature

PERFORMANCE PROFILE

Nominal Flow Range	• Constant flow from 1000 to 5000 ml/min *(5 to 500 ml/min requires low flow holder)*
Nominal Range of Pressure Drop	• 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
Operating 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 • Atmospheric pressure: ± 0.3 inHg • Temperature: ± 1.0 C
Display/Parameters	• High-contrast backlit LCD/battery status and elapsed run time
User Interface	• Eight-area capacitive touch screen with auto lock option
Sound Level	• Average 51.7 dB at 3-ft (1-m) distance using a 37-mm, 0.8-µm MCE filter cassette
Case Material	• Polycarbonate: rubberized anti-static overmolding; ingress protection is IP6x-dust tight enclosure
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/ Markings	• Intrinsic safety (SKC Cat. No. 220-3100 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; DEMKO 19ATEX 2288; CE 0539; UKCA 0843 • AirChek Essential+ is a type P pump for personal sampling of airborne particles and is designed to meet ISO 13137:2022 • RoHS compliant

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* Results obtained using a new pump, new fully charged battery, and 37-mm, 0.8-µm MCE filter. Pump and battery performance may vary.

ORDERING

Available as Cat. No.

220-3100	AirChek® Essential+ Pump only
220-3100-S	Starter Pump Kit
220-3100-K	Single High Flow Pump Kit
220-3100-K5	5-pack High Flow Pump Kit

> **For details and additional kits and accessories, visit www.skcinc.com/touch-pumps.**

"Pump only" requires a charging cradle and power supply. We recommend the Lite Charging Cradle and power supply (Cat. Nos. 220-850 and 220-600). See additional kits at www.skcinc.com/touch-pumps.

Recommended Flowmeter†

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

SCAN ME

Quick Selection Guide

AirChek	AirChek ESSENTIAL	AirChek ESSENTIAL+	AirChek TOUCH	AirChek CONNECT
Intrinsically Safe	•	•	•	•
Operation	Touch keypad	Touch screen	Color touch screen	Touch screen
Programmable			•	•
PC Compatible – Download History			•	•
Bluetooth® Connection with PC and Mobile				•
SmartWave Mobile App				•
Compensates for Changes in Temperature and Atmospheric Pressure	•	•	•	•
Flow Fault/Auto-restart	•	•	•	•
CalChek® Automatic Flow Rate Verification/ Calibration Feature			•	