AirChek ESSENTIAL+

Everything Essential, Plus More!

5 to 5000 ml/min

Simple and intuitive—on/off pump, no calibration adjustment tools or manual needed

Graphic display and touch screen navigation

Lower cost

The essentials for simple, accurate air sampling

Graphic LCD and easy navigation buttons

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 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 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
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, UKCA 0843, DEMKO 19ATEX 2288, CE 0539 • Designed to meet ISO 13137:2022 • RoHS compliant

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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.
220-3100   AirChek® Essential+ Pump only

Requires charging cradle and power supply (Cat. Nos. 220-800 and 220-600). See more at www.skcinc.com. Contact your SKC representative for information on AirChek Essential+ Kits.

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.

Quick Selection Guide

AirChek	AirChek ESSENTIAL+	AirChek TOUCH	AirChek CONNECT
Intrinsically Safe	●	●	●
Operation	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	●	●	●
Automatic CalChek® Calibration		●	