SKC Europe

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

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) at 7.4 V, 2.6 Ah, 19.2 Wh or AC using cradle
Run Time	• 40+ hours at 2000 ml/min,* 15+ hours • 5000 ml/min,* Indefinite run from charging cradle
Accuracy Display/Parameters	• Flow control: ± 5% of set-point after calibration to desired flow • Atmospheric pressure: ± 0.3 inHg • Temperature: ± 1.0 C
User Interface	• High-contrast backlit LCD/battery status and elapsed run time • 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	• 10.4 x 9.4 x 7.1 cm, (4.1 x 3.7 x 2.8 in) 550 gm (19.4 oz)
Certifications/Markings	Intrinsic safety (SKC Cat. No. 220-3100 operated with SKC Battery Pack P75718 or P75718A) 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

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

ORDERING

Description	Part No:
AirChek® Essential+ Pump only.	220-3100
Charging Cable	220-800
Power Supply	220-600

Recommended Accessories	Part No:
chek-mate Calibrator (UK standard traceable calibration certificate)	375-0550
Low Flow Adaptor Kit	210-500
Protective Pouch	224-911