AirChek Essential+ Everything Essential, Plus More!



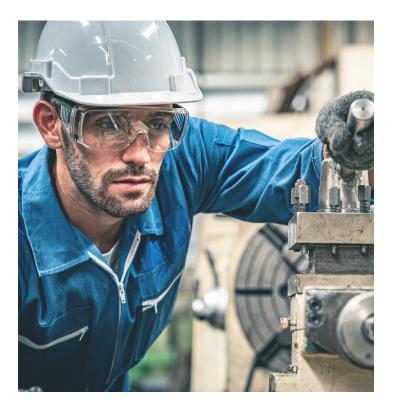
KEY FEATURES

- 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-lon battery over 40-hour run times
- Corrects flow for changes in temperature and atmospheric pressure
- Bright running and status LEDs
- Flow fault with auto-restart
- Displays elapsed time
- Easy touch screen control
- Tough no-slip anti-static case
- Ultra-quiet
- Small and lightweight
- Convenient, economical charging cradle
 - Chain up to 5 cradles
 - New economical Lite Cradle charger available
- Screen lock-out feature and protective cover



Graphic LCD and easy navigation





The SKC AirChek® Essential+ is an on/off-style sampling pump with no-tool flow rate verification and the easiest touch screen operation available. When you choose AirChek Essential+ you get long run times, high back pressure compensation, corrections for changes in temperature and atmospheric pressure, bright running LEDs, economical charging with the new Lite Cradle, and a touch screen associated with higher model pumps. AirChek Essential+ puts the PLUS in easy operation and value. Just like the rest of the AirChek Touch Series Sampling Pumps – AirChek Essential+ meets your sampling needs perfectly.





SCIENCE. SERVING PEOPLE.

2 | AirChek Essential+

PERFORMANCE PROFILE

Nominal Flow Range Nominal Range of Pressure Drop	 Constant flow from 1000 to 5000 ml/min (5 to 500 ml/min requires low flow holder) 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 in Hg Temperature: ± 1 C
Display/Parameters	 High-contrast backlit LCD/battery status with elapsed 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; 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

*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.

220-3100AirChek Essential+ Pump Only220-3100-SStarter Pump Kit220-3100-KSingle High Flow Pump Kit220-3100-K3D3-pack High/Low Flow Pump Kit220-3100-K55-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)

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 s	standard traceable certificate. Contact SKC for details.

Recommended Accessories

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



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			•	