

# AirChek Connect

## Monitor Sampling Remotely



### KEY FEATURES

- Flows from 5 to 5000 ml/min
  - 5 to 500 ml/min with low flow holder accessory
  - Multiple-tube sampling in low flow mode
- High back pressure compensation
  - Up to 50 inches water at 2 L/min
  - Bluetooth® low-energy connectivity for in-range pump operation/monitoring
  - Mobile with free SmartWave app
  - PC with DataTrac® Pro software
- Li-Ion battery – over 40-hour run times
- Corrects flow for changes in temperature and atmospheric pressure
- Flow fault with auto-restart
- Large display with continuous parameters
- Easy touch screen control and programmability
- Bright running and status LEDs
- Ultra-quiet
- Small and lightweight
- Convenient charging cable – chain up to 5 cradles
- Screen lock-out feature and protective cover



*Intuitive touch operation and programming,  
easy Bluetooth® connectivity*

#### CERTIFICATIONS

Intrinsic safety: UL913, CAN/CSA  
C22.2, ATEX, IECEx, UKEX

Other: CE, UKCA



The SKC AirChek® Connect offers all that you want in an air sampling pump! Designed specifically for industrial hygienists and other OEHS professionals, AirChek Connect provides accurate, reliable flows to 5 L/min, and touch screen ease of use. With Bluetooth connectivity, AirChek Connect syncs to the SKC SmartWave app on your mobile devices and DataTrac Pro Software on your PC to keep you on top of your sample runs without disrupting workflow. AirChek Connect is built to serve you and the workers you protect.

**More information**



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### PERFORMANCE PROFILE

<b>Nominal Flow Range</b>	<ul style="list-style-type: none"> <li>Constant flow from 1000 to 5000 ml/min (5 to 500 ml/min requires low flow holder)</li> </ul>
<b>Nominal Range of Pressure Drop</b>	<ul style="list-style-type: none"> <li>5000 ml/min at 20 inches water back pressure</li> <li>4000 ml/min at 30 inches water back pressure</li> <li>3000 ml/min at 40 inches water back pressure</li> <li>2000 ml/min at 50 inches water back pressure</li> <li>1000 ml/min at 60 inches water back pressure</li> </ul>
<b>Power</b>	Removable rechargeable lithium-ion (Li-Ion) battery 7.4 V, 2.6 Ah, 19.2 Wh or AC using cradle
<b>Operating Time</b>	40+ hours at 2000 ml/min, * 15+ hours at 5000 ml/min,* indefinite run from charging cradle
<b>Accuracy</b>	<ul style="list-style-type: none"> <li>Flow control: <math>\pm 5\%</math> of set point</li> <li>Atmospheric pressure: <math>\pm 0.3</math> in Hg</li> <li>Temperature: <math>\pm 1</math> C</li> </ul>
<b>Display/Parameters</b>	High-contrast backlit LCD/Time, date, battery status, flow rate, sample volume, temperature, atmospheric pressure, back pressure, programmed run remaining time, and elapsed run time
<b>User Interface</b>	8-area capacitive touch screen; auto-dim and locking option
<b>Sound Level</b>	Average 51.7 dB at 3-ft (1-m) distance using a 37-mm, 0.8- $\mu$ m MCE filter cassette
<b>Case Material</b>	Polycarbonate; rubberized anti-static overmolding; ingress protection is IP6x-dust tight enclosure
<b>Tubing</b>	Requires 1/4-inch ID tubing
<b>Dimensions/Weight</b>	4.1 x 3.7 x 2.8 in (10.4 x 9.4 x 7.1 cm), 19.4 oz (550 gm)
<b>Certifications/Markings</b>	<ul style="list-style-type: none"> <li>Intrinsic safety (SKC Cat. No. 220-4000 operated with SKC Battery Pack P75718) Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III, T4 Ga; -20°C <math>\leq</math> Ta <math>\leq</math> 45°C; Ex II 1G; Exia IIC T4 Ga; IECEx UL 19.0100; UL22UKEX2351; DEMKO 19ATEX 2288; CE 0539; UKCA 0843</li> <li>AirChek Connect is a type P pump for personal sampling of airborne particles and is designed to meet ISO 13137:2022</li> <li>RoHS compliant</li> </ul>



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

### ORDERING

#### Available as Cat. No.

220-4000	AirChek Connect Pump Only
220-4000-S	Starter Pump Kit
220-4000-K	Single High Flow Pump Kit
220-4000-K3	3-pack High Flow Pump Kit
220-4000-K5	5-pack High Flow Pump Kit

"Pump only" requires charging cradle and power supply that are included in kits.

For details and additional kits and accessories, visit [www.skcinc.com/touch-pumps](http://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
877-94	DataTrac Pro for AirChek Connect USB Bluetooth Adapter (free software download)



### Selection Guide

AirChek	AirChek <b>ESSENTIAL</b>	AirChek <b>ESSENTIAL+</b>	AirChek <b>TOUCH</b>	AirChek <b>CONNECT</b>
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			•	