



# AirChek **CONNECT**

## **Bluetooth-connected Touch Screen Sample Pump**

Connect to mobile with SmartWave app

Connect to PC with DataTrac Pro

5 to 5000 ml/min





Intuitive touch operation, easy Bluetooth® connectivity

### 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**
- **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**

## PERFORMANCE PROFILE

<b>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>Compensation Range</b> (back pressure capability)	<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>	<ul style="list-style-type: none"> <li>• Removable rechargeable lithium-ion (Li-Ion) battery 7.4 V, 2.6 Ah, 19.2 Wh or AC using cradle</li> </ul>
<b>Run Time</b>	<ul style="list-style-type: none"> <li>• 40+ hours at 2000 ml/min,* 15+ hours at 5000 ml/min,* indefinite run from charging cradle</li> </ul>
<b>Accuracy</b>	<ul style="list-style-type: none"> <li>• Flow control: ± 5% of set-point after calibration to desired flow</li> <li>• Atmospheric pressure: ± 0.3 in Hg</li> <li>• Temperature: ± 1 C</li> </ul>
<b>Display/Parameters</b>	<ul style="list-style-type: none"> <li>• 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</li> </ul>
<b>User Interface</b>	<ul style="list-style-type: none"> <li>• Eight-area capacitive touch screen with auto-dim and locking options</li> </ul>
<b>Sound Level</b>	<ul style="list-style-type: none"> <li>• Average 51.7 dB at 3-ft (1-m) distance using a 37-mm, 0.8-µm MCE filter cassette</li> </ul>
<b>Tubing</b>	<ul style="list-style-type: none"> <li>• Requires ¼-inch ID tubing</li> </ul>
<b>Dimensions/Weight</b>	<ul style="list-style-type: none"> <li>• 4.1 x 3.7 x 2.8 in (10.4 x 9.4 x 7.1 cm), 19.4 oz (550 gm)</li> </ul>
<b>Certifications/Markings</b>	<ul style="list-style-type: none"> <li>• Intrinsic safety (SKC Cat. No. 220-3000 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</li> <li>• Designed to meet ISO 13137:2013</li> <li>• RoHS compliant</li> </ul>



\* 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.

220-4000	AirChek Connect Pump only
220-4000-S	Starter Pump Kit
220-4000-K	Single High Flow Pump Kit
220-4000-K3D	3-pack High/Low 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. See more at [www.skcinc.com](http://www.skcinc.com).

### 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
877-94	DataTrac Pro for AirChek Connect USB Bluetooth Adapter (free software download)

For ordering details and additional accessories, visit [www.skcinc.com](http://www.skcinc.com).

### Selection Guide

AirChek®	AirChek <b>ESSENTIAL</b>	AirChek <b>TOUCH</b>	AirChek <b>CONNECT</b>
Listed Intrinsically Safe	•	•	•
Operation	Touch keypad	Color touch screen	Touch screen
Programmable		•	•
PC Compatible – Download History		•	•
Bluetooth			•
Mobile App			•
Compensates for Changes in Temperature and Atmospheric Pressure	•	•	•
Flow Fault/Auto-restart	•	•	•