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

www.skcinc.com

# PERFORMANCE PROFILE



*Intuitive touch operation, easy Bluetooth® connectivity*

| | |
|---|---|
| **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<br>• 4000 ml/min at 30 inches water back pressure<br>• 3000 ml/min at 40 inches water back pressure<br>• 2000 ml/min at 50 inches water back pressure<br>• 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 |
| **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<br>• Atmospheric pressure: ± 0.3 in Hg<br>• Temperature: ± 1 C |
| **Display/Parameters** | • 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 |
| **User Interface** | • Eight-area capacitive touch screen with auto-dim and locking options |
| **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** | • 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; 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<br>• UL22UKEX2351<br>• UK/CA 0843<br>• DEMKO 19ATEX 2288<br>• CE 0539<br>• RoHS compliant<br>• Designed to meet ISO 13137:2013 |

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## 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 continouous 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**

*\* 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.*

**Recommended Calibrator †**

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|---|---|
| 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.**

## Selection Guide

| AirChek® | AirChek ESSENTIAL | AirChek TOUCH | AirChek CONNECT |
|---|:---:|:---:|:---:|
| **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** | • | • | • |

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