



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 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**
- ▶ **Screen lock-out feature and protective cover**

PERFORMANCE PROFILE

Flow Range	<ul style="list-style-type: none"> • 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
Compensation Range (Back Pressure Capability)	
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 after calibration to desired flow Atmospheric pressure: ± 0.3 in Hg. 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	10.4 x 9.4 x 7.1 cm (4.1 x 3.7 x 2.8 in) , 550 gm(19.4 oz)
Certifications	<ul style="list-style-type: none"> • Intrinsic safety (SKC Cat. No. 220-4000 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 • DEMKO 19ATEX 2288 • CE 0539 • RoHS compliant and designed to meet ISO 13137:2022



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

Description	Part No:
AirChek Connect Pump only	220-4000
Basic Pump Kit	220-4000K
5-pack Pump Basic Kit	220-4000K5
"Pump only" requires charging cradle and power supply that are included in kits.	
Recommended Calibrator	
chek-mate with UKAS-traceable calibration certificate	375-0550
Recommended Accessories	
Low Flow Kit	210-500
Protective Pouch	224-911

Selection Guide

AirChek	AirChek Essential	AirChek Touch	AirChek Connect
Intrinsically Safe	x	x	x
Operation	Touch keypad	Colour Touch screen	Touch screen
Programmable		x	x
PC Compatible – Download History		x	x
Bluetooth™ Connection with PC and Mobile			x
SmartWave Mobile App			x
Compensates for Changes in Temperature and Atmospheric Pressure	x	x	x
Flow Fault/Auto-restart	x	x	x
Automatic CalChek Calibration		x	