

Experience the **Power** of a **TOUCH**

The AirChek **TOUCH** Air Sample Pump from SKC



AirChek[®] TOUCH
5 to 5000 ml/min



**Intuitive –
easiest pump you
will ever use**

TOUCH screen for intuitive operation and calibration – the easiest pump you will ever use

Supercharged battery power for over 20 hours of run time

Flow range and features to help you power through multiple sampling applications

Easy automatic calibration with new SKC chek-mate Calibrator with CalChek

See the **power the SKC AirChek **TOUCH** sample pump brings to you!**



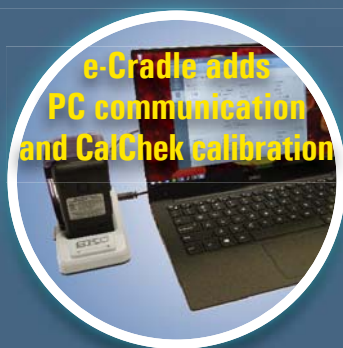
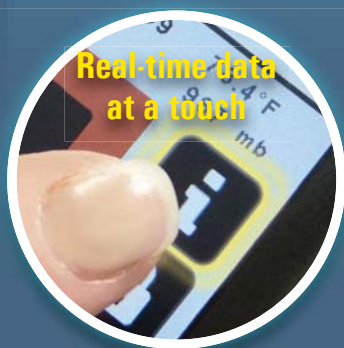
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AirChek TOUCH

- **Extended flows from 5 to 5000 ml/min**
 - 5 to 500 ml/min with All-in-One adjustable tube holder
 - Multi-tube sampling in low flow mode
- **Patented* built-in CalChek® feature for hands-free calibration with new chek-mate Calibrator with CalChek**
- **Color touch screen navigation, easy programming**
- **Continuous, timed, and intermittent sampling**
- **Small and lightweight**
- **High back pressure compensation**
- **Powerful Li-Ion battery for long run times**
- **Corrects flow for changes in temperature and atmospheric pressure**
- **Screen protection and security**
- **Ultra quiet**
- **DataTrac® Pro PC Software for easy pump programming and advanced reporting**

* U.S. Patent Nos. 6,227,031 and 6,363,769



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Performance Profile

Flow Range	Constant flow from 1000 to 5000 ml/min (5 to 500 ml/min requires low flow tube holder)
Compensation Range <i>(back pressure capability)</i>	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 50 inches water back pressure
Flow Control System	Isothermal, corrects for changes in back pressure, temperature, and atmospheric pressure
Power	Removable rechargeable Lithium-ion (Li-Ion) battery, 7.4 V, 2.6 Ah, 19.24 Wh or AC using cradle
Run Time	20 hours at 2000 ml/min [†] 10 hours at 5000 ml/min [†] Indefinite run from charging cradle
Charging Time <i>(varies with battery capacity and level of discharge)</i>	Approximately 3 hours
Accuracy	Flow control: ± 5% of set-point after calibration to desired flow Atmospheric pressure: ± 0.3 in Hg Temperature: ± 1.0 C
Temperature Ranges	Operating: 32 to 104 F (0 to 40 C) Charging: 32 to 113 F (0 to 45 C) Storage: -4 to 113 F (-20 to 45 C)
Humidity Ranges	Operating: ≤ 95% RH, non-condensing Storage: ≤ 95% RH, non-condensing
Altitude	Corrects flow for changes in temperature (32 to 104 F / 0 to 40 C) and ambient pressure up to 15,000 feet (4,572 meters) above and down to 4,500 feet (1,372 meters) below sea level
Display/Parameters	Color LCD/real-time flow rate, ambient temperature, ambient pressure, accumulated volume, elapsed time
User Interface	Resistive touch screen with auto-dim and locking options
Sound Level	Avg. 51.7 dB at 3-ft (1-m) distance using a 37-mm, 0.8-µm MCE filter cassette
Dimensions	4.1 x 3.7 x 2.8 in (10.4 x 9.4 x 7.1 cm)
Weight	19.4 oz (550 gm)
Certifications	<ul style="list-style-type: none"> • Intrinsic safety: UL Class I, Div. 1, Groups A,B,C, and D; Class II, Div. 1, Groups E,F, and G; Class III, Div. 1 hazardous locations when used with SKC battery pack model P75718; T-Code T3C. Exia; Class I, Zone 0 Gp IIC (SKC Cat. No. 220-5000TC) • RoHS compliant • CE Marked • Meets ISO 13137:2013
Case Material	Polycarbonate with rubberized anti-static overmolding



[†] Tested using 37-mm, 0.8-µm MCE filter with new pump and battery. Pump performance may vary.

AirChek TOUCH

Pub# 1910 Rev 1806

Ordering

Description	Cat. No.
AirChek TOUCH Pump with Li-Ion battery pack* and screwdriver set, <i>requires charging cradle and power supply; see below</i>	220-5000TC
AirChek TOUCH Pump Kits	
Starter Kit includes pump as described above, Standard Charging Cradle, power supply with cord, 3 feet (0.9 meter) of Tygon tubing, and collar clip with cable tie 100-240 V	220-5000TC-S
Single High Flow Pump Kit includes pump as described above, Standard Charging Cradle, power supply with cord, and filter cassette holder, in a soft-sided nylon carry case 100-240 V	220-5000TC-K
Single High/Low Flow Pump Kit includes pump as described above, Standard Charging Cradle, power supply with cord, filter cassette holder, All-in-One adjustable tube holder, and Type A protective tube cover, in soft-sided nylon carry case 100-240 V	220-5000TC-KD
Single High/Low Flow Enhanced Pump Kit includes pump as described above, Enhanced Charging Cradle (e-Cradle), power supply with cord, USB cable, filter cassette holder, All-in-One adjustable tube holder, and Type A protective tube cover, in soft-sided nylon carry case 100-240 V	220-5000TC-KDE
3-pack High/Low Flow Pump Kit includes 3 pumps as described above, 2 Standard Charging Cradles, 1 e-Cradle, power supply with cord, and USB cable, 3 each: filter cassette holders, All-in-One adjustable tube holders, and Type A protective tube covers, in a Pelican case 100-240 V	220-5000TC-K3D
5-pack High Flow Pump Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 e-Cradle, power supply with cord, USB cable, and 5 filter cassette holders, in a Pelican case 100-240 V	220-5000TC-K5
5-pack High/Low Flow Pump Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 e-Cradle, power supply with cord, and USB cable, 5 each: filter cassette holders, All-in-One adjustable tube holders, and Type A protective tube covers, in a Pelican case 100-240 V	220-5000TC-K5D
New Deluxe Silica Sampling Kit includes pump as described above, Standard Charging Cradle, power supply with cord, 4 feet (1.2 meters) of Tygon tubing, chek-mate Calibrator with CalChek, 10 Preloaded Disposable PPIs (225-3851), and PPI calibration adapter, in a hard-sided toolbox 100-240 V	220-5000TC-K-S
Accessories	
Standard Charging Cradle , <i>requires power supply, see below</i>	220-800
Enhanced Charging Cradle (e-Cradle) includes USB cable, <i>requires power supply, see below</i>	220-900
Single Cradle Power Supply , for use with one charging cradle, 100-240 V	220-600
Multi Cradle Power Supply , for use with 2 to 5 charging cradles, 100-240 V	220-700
DataTrac Pro for AirChek TOUCH Hardware Accessory Kit includes e-Cradle, USB cable, and single power supply, DataTrac Pro software available for download	877-93
Low Flow (5 to 500 ml/min) Kit includes All-in-One adjustable tube holder and Type A protective tube cover	210-500
Replacement Battery Pack , Li-Ion*	P75718
Protective Pouch , nylon, with adjustable waist belt and shoulder strap, black	224-911
New chek-mate Calibrator with CalChek , 0.50 to 5 L/min, includes a 9-volt alkaline battery with NIST-traceable calibration certificate with UKAS-traceable calibration certificate	375-0550N 375-0550
CalChek Cable	375-200

* AirChek TOUCH pumps contain Li-Ion batteries and are subject to special shipping regulations.

AirChek TOUCH requires 1/4-inch ID tubing



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