AirChek TOUCH

The Easiest Sample Pump You Will Ever Use!

Flows from 5 to 5000 ml/min

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

Supercharged battery power for over 20 hours of run time

Features to help you power through multiple sampling applications

Hands-free calibration with SKC chek-mate Calibrator

CalChek automatic calibration with chek-mate calibrator!

For fast, easy, and accurate field calibration, connect your AirChek® TOUCH Sample Pump cradle to a CalChek-ready chek-mate Calibrator with CalChek Cable.

No manual adjustments during calibration

Calibrate at a single flow point to verify flow pre and post-sampling

Calibrate across a range of flows following repair or maintenance

Document calibration with DataTrac Pro Software and PC

SKC

Air Sampling Solutions & Expertise

www.skcinc.com

AirChek TOUCH

Extended flows from 5 to 5000 ml/min
- 5 to 500 ml/min with low flow holder
- Multi-tube sampling in low flow mode

High back pressure compensation
50 inches water at 2 L/min

Patented* built-in CalChek® feature for hands-free calibration with chek-mate Calibrator

Color touch screen navigation, easy programming

Continuous, timed, and intermittent sampling

Powerful Li-Ion battery for 20+ hours at 2 L/min
(37 mm, 0.8-µm MCE filter)

Corrects flow for changes in temperature and atmospheric pressure

Screen protection and security
- Protective cover
- Screen lock-out feature

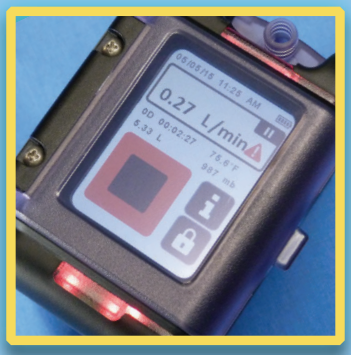
Ultra quiet — average 51.7 dB at 3 feet
(37-mm, 0.8-µm MCE filter at 2 L/min)

DataTrac Pro PC Software for easy pump programming and advanced reporting

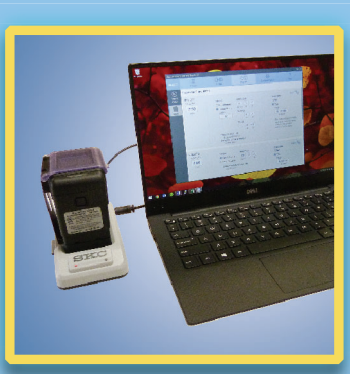
Small and lightweight
- 4.1 x 3.7 x 2.8 inches (10.4 x 9.4 x 7.1 cm)
- 19.4 ounces (550 grams)

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

Real-time data at a touch



Flow fault and auto-restart


e-Cradle adds PC communication and CalChek calibration

Chain up to 5 cradles

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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 *(back pressure capability)*	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, 19.2 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 *(varies with battery capacity and level of discharge)*	Approximately 3 hours
Accuracy	**Flow control:** ± 5% of set-point after calibration to desired flow **Atmospheric pressure:** ± 0.3 in Hg **Temperature:** ± 1 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	• Intrinsic safety: UL Class I, Div. 1, Goups 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 Cat. No. 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

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CE

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

Publication 1910 Rev 2002

AirChek TOUCH

Ordering

Description	Cat. No.
AirChek TOUCH Pump with Li-Ion battery pack* and screwdriver set, *requires charging cradle and power supply; see below*	**220-5000TC**

AirChek TOUCH Pump Kits*		Cat. No.
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, 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, for use with free DataTrac Pro software download, 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**
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 Cat. No. 225-3851, and PPI calibration adapter, in a hard-sided toolbox	**100-240 V**	**220-5000TC-K-S**

Accessories	Cat. No.
Standard Charging Cradle, *requires power supply, see below*	**220-800**
Enhanced Charging Cradle (e-Cradle) includes USB cable, for use with free DataTrac Pro software download, *requires power supply, see below*	**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, for use with free DataTrac Pro software download, USB cable, and single power supply	**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**
chek-mate Calibrator with CalChek, 0.5 to 5 L/min, includes a 9-volt alkaline battery, CalChek automatic calibration	
with NIST-traceable calibration certificate	**375-0550N**
with UKAS-traceable calibration certificate	**375-0550**
CalChek Cable, *required for automatic calibration of AirChek TOUCH*	**375-200**

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

AirChek TOUCH requires 1/4-inch ID tubing.

Charging and CalChek calibration

Charging, CalChek calibration, and PC communication

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