

AirChek TOUCH

SAMPLE PUMP



Easy navigation on color touch screen



Full programmability – on PC or touch screen

Flows from 5 to 5000 ml/min

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

Powerful battery provides over 20 hours of run time

Features to help you power through multiple sampling applications

Hands-free calibration with SKC chek-mate Calibrator



Automatic calibration



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AirChek TOUCH

KEY FEATURES

Extended flows from 5 to 5000 mL/min

- 5 to 500 mL/min with low flow accessories
- Multi-tube sampling in low flow mode

High back pressure compensation

Automatic flow correction for changes in temperature and atmospheric pressure

Full programmability from easy-to-use color touch screen or from PC with DataTrac Pro Software

CalChek automatic calibration with chek-mate calibrator - see more on page 4!

Flow fault and auto-restart

Powerful Li-Ion battery lasts multiple shifts

Rugged and secure

Ultra quiet

Chainable charging cradles - use one power source

Advanced reporting from DataTrac Pro Software

Intrinsically safe



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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5 to 5000 ml/min Sample Pump

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
Flow Fault/Auto-restart	If unable to compensate, pump goes into flow fault mode and tries restart 5 times.
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
Tubing	Requires 1/4-inch ID tubing
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 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



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

AirChek TOUCH

ORDERING

Available as Cat. No.

220-5000TC	AirChek TOUCH Pump only
220-5000TC-S	Starter Pump Kit
220-5000TC-K	Single Pump Kit
220-5000TC-KD	Single High/Low Flow Pump Kit
220-5000TC-K3D	3-pack High/Low Flow Pump Kit
220-5000TC-K5D	5-pack High/Low Flow Pump Kit
220-5000TC-K-S	Silica Sampling Kit

"Pump only" requires charging cradle and power supply that is included in kits.
See more at 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
375-0550-KN	Kit with chek-mate and pulsation dampener for CalChek full calibration and NIST certificate

[†] Calibrators and Kit available with ISO standard traceable certificate. Contact SKC for details.

Recommended Accessories

877-93	DataTrac Pro for AirChek TOUCH Hardware Accessory Kit (free software download)
210-500	Low Flow Adapter Kit
375-200	CalChek Communication Cable (required for CalChek automatic calibration)



Charging and CalChek calibration



Charging, CalChek calibration, and PC communication

For ordering details and additional accessories,
visit www.skcinc.com

CalChek Automatic Calibration

Get fast, easy, and accurate field calibration with the patented* CalChek feature in AirChek TOUCH Sample Pumps and the Medium Flow chek-mate Calibrator!

No manual adjustments

Calibrate a single flow point pre and post-sampling

Calibrate across a range of flows following repair/maintenance

Document calibration with DataTrac Pro Software

See ordering above. Don't forget the CalChek Communication Cable!

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



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