

New!

AirChek[®] TOUCH

Sample Pump

Intuitive

Powerful

Versatile



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AirChek TOUCH

- Extended flows from 5 to 5000 ml/min
 - 5 to 500 ml/min with low flow adapter
 - Multi-tube sampling in low flow mode
- Color touch screen navigation, easy programming
- Continuous, timed, and intermittent sampling
- Hands-free CalChek® calibration
- 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
- New DataTrac® Pro PC Software for easy pump and data management



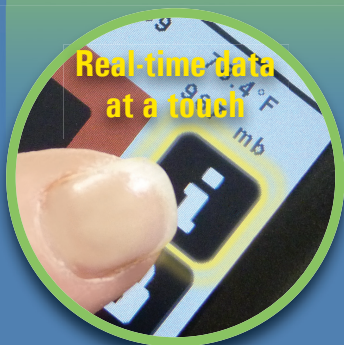
Protective screen cover

Large backlit color touch screen

Downloadable sampling history

Highly visible run and fault status LEDs

Charge and calibrate from cradle – CalChek compatible



Real-time data at a touch



Flow fault and auto-restart



e-Cradle adds PC communication



Chain up to 5 cradles

Use 1 power source



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Performance Profile

Flow Range	Constant flow from 1000 to 5000 ml/min (low flow from 5 to 500 ml/min requires adapter)
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	Patented* 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 (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: ± 1.0 C
Temperature Ranges	Operating: 32 to 113 F (0 to 45 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 113 F / 0 to 45 C) and ambient pressure up to 15,000 feet above and down to 4,500 feet 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
Case Material	Polycarbonate with rubberized anti-static overmolding



* U.S. Patent No. 5,892,160

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

AirChek TOUCH

Ordering

Description	Cat. No.
AirChek TOUCH Pump with Li-Ion battery pack and screwdriver set, <i>requires charging cradle and power supply; see kits or cradles 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	220-5000TC-S
Single High Flow Pump Kit includes pump as described above, Standard Charging Cradle, power supply with cord, filter cassette holder, in a soft-side nylon carry case	220-5000TC-K
Single High/Low Flow Pump Kit includes pump as described above, Standard Charging Cradle, power supply with cord, filter cassette holder, adjustable low flow holder, Constant Pressure Controller, and Type A protective tube cover, in soft-side nylon carry case	220-5000TC-KD
Single CalChek Kit includes pump as described above, Charging e-Cradle, power supply with cord, filter cassette holder, CalChek communication cable, USB cable, Defender calibrator with charger, and Pelican case	220-5000TC-DFK
5-pack High Flow Pump Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord, 5 filter cassette holders, in a Pelican case	220-5000TC-K5
5-pack High/Low Flow Pump Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord, 5 each: filter cassette holders, adjustable low flow holders, Constant Pressure Controllers, and Type A protective tube covers, in a Pelican case	220-5000TC-K5D
5-pack CalChek Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord, 5 filter cassette holders, CalChek communication cable, USB cable, Defender calibrator with charger, and Pelican case	220-5000TC-DFK5
Accessories	
Standard Charging Cradle , <i>requires power supply, see below</i>	220-800
Charging e-Cradle includes USB cable, <i>requires power supply, see below</i>	220-900
Single Cradle Power Supply , for use with one charging cradle	220-600
Multi Cradle Power Supply , for use with 2 to 5 charging cradles	220-700
Replacement Battery Pack , Li-Ion	P75718

AirChek TOUCH requires 1/4-inch ID tubing



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