

New!

AirChek[®] TOUCH

Sample Pump

Intuitive

Powerful

Versatile



World Leader in Sampling Technologies

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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



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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 | 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 | 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 High/Low Flow Enhanced Pump Kit includes pump as described above, Enhanced Charging Cradle, power supply with cord, filter cassette holder, adjustable low flow holder, USB cable, Constant Pressure Controller, and Type A protective tube cover, in soft-side nylon carry case | 220-5000TC-KDE |
| 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 | Cat. No. |
| 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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