AirChek TOUCH

Description	Part Number
AirChek TOUCH Pump with Li-Ion battery pack, instruction manual and mini screwdriver kit, requires charging cradle and power supply; see kits or cradles below.	**220-5000TC**

AirChek TOUCH Pump Kits	Part Number
Basic Kit includes pump as described above, Standard Charging Cradle, power supply with cord and 1 m Tygon tubing in a durable carry case.	**220-5000TCK**
Single Combined Kit includes pump as described above, Standard Charging Cradle, power supply with cord, plastic IOM Multidust Sampler, 5 Multidust cassettes, plastic cyclone, 5 cyclone cassettes, single adjustable flow holder, Type A protective cover, Constant Pressure Controller, tube breaker, calidaptor and 1 m length of Tygon tubing in a durable carry case.	**220-5000TCKC**
Single Dust Kit includes pump as described above, Standard Charging Cradle, power supply with cord, plastic IOM Multidust sampler, 5 Multidust cassettes, plastic cyclone, 5 cyclone cassettes, calidaptor and 1 m length of Tygon tubing in a durable carry case.	**220-5000TCKP**
Single Pump Vapour Kit includes pumps as described above, Standard Charging Cradle, power supply with cord, single adjustable flow holder, Type A protective cover, Constant Pressure Controller, tube breaker and 1 m length of Tygon tubing in a durable carry case.	**220-5000TCKV**
5-Pump Basic Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord and 5 x 1 m length of Tygon tubing in a durable carry case.	**220-5000TCK5**
5-Pump Combined Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord, 5 plastic IOM Multidust samplers, 10 Multidust cassettes, 5 plastic cyclones , 10 cyclone cassettes, calidaptor, 5 Single adjustable flow holders, 5 Type A protective covers, 5 Constant Pressure Controllers, tube breaker and 5 x 1 m lengths of Tygon tubing in a durable carry case.	**220-5000TCK5C**
5-Pump Dust Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord, 5 plastic IOM Multidust samplers, 10 Multidust cassettes, 5 plastic cyclones, 10 cyclone cassettes, calidaptor and 5 x 1 m length of Tygon tubing in a durable carry case.	**220-5000TCK5P**
5-Pump Vapour Kit includes 5 pumps as described above, 4 Standard Charging Cradles, 1 Charging e-Cradle, power supply with cord, 5 Single adjustable flow holders, 5 Type A protective covers, 5 Constant Pressure Controllers, tube breaker and 5 x 1 m length of Tygon tubing in a durable carry case.	**220-5000TCK5V**

Accessories	Part Number
Standard Charging Cradle, requires power supply, see below	**220-800**
Charging e-Cradle includes USB cable; requires power supply, see below	**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**
DataTrac ® Interface & Software* Kit includes e-Cradle, power supply with cord and USB cable. *Software needs to be downloaded.	**877-93**
Replacement Battery Pack, Li-Ion	**P75718**

AirChek TOUCH requires 1/4" ID tubing

Standard Cradle
Charging and CalChek calibration

e-Cradle Charging
CalChek calibration and PC communication

AirChek TOUCH

Intuitive

Powerful

Versatile

Sample Pump

SKC **World Leader in Sampling Technologies** **www.skcltd.com**

AirChek TOUCH

SKC World Leader in Sampling Technologies www.skcltd.com

- Flow range from 5 ml/min to 5000 ml/min
  - 5 ml/min to 500 ml/min with low flow adapter
  - Multi-tube sampling in low flow mode
- Colour 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
- Downloadable Sampling History

Flow Range	Constant flow from 1000 ml/min to 5000 ml/min (low flow from 5 ml/min to 500 ml/min requires adapter)
Compensation Range (back pressure capability)	5000 ml/min at 20" water back pressure 4000 ml/min at 30" water back pressure 3000 ml/min at 40" water back pressure 2000 ml/min at 50" water back pressure 1000 ml/min at 50" 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	Approximately 3 hours - varies with battery capacity and level of discharge
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: 0 °C to 45 °C (32 °F to 113 °F) Charging: 0 °C to 45 °C (32 °F to 113 °F) Storage: 20 °C to 45 °C (-4 °F to 113 °F)
Humidity Ranges	Operating: ≤ 95 % RH, non-condensing Storage: ≤ 95 % RH, non-condensing
Altitude	Corrects flow for changes in temperature 0 to 45 °C and ambient pressure up to 4,572 m (15,000 ft) above and down to 1,371 m (4,500 ft) below sea level
Display/Parameters	Colour 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	Average 51.7 dB 1 m (3 ft) distance using a 37 mm 0.8 µm MCE filter cassette
Dimensions	10.4 cm x 9.4 cm x 7.1 cm (4.1" x 3.7" x 2.8")
Weight	550 g (19.4 oz)
Certifications	• 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 P75718; T-Code T3C. Exia; Class I, Zone 0 Gp IIC (SKC Part No: 220-5000TC) • RoHS compliant • CE Marked
Case Material	Polycarbonate with rubberised anti-static overmoulding

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

* U.S. Patent No. 5,892,160
† Tested using 37 mm, 0.8 µm MCE filter with new pump and battery. Pump performance may

CE c UL US Listed

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