AirChek TOUCH



Intuitive. Powerful. Versatile.

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 CalChek®
Cable and Medium Flow chek-mate Calibrator

SKC Europe

Issue-3

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 fl ow 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/Charging Method (varies with battery capacityand level of discharge)
Approximately 3 hours/charge via cradle, available as a single unit using Single Cradle Power Supply Cat. No. 220-600; chainable up to 5 units using a Multi Cradle Power Supply Cat. No. 220-700

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 (4,572m) above and down to 4,500 feet (1,372m) 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
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
10.4 x 9.4 x 7.1 cm (4.1 x 3.7 x 2.8 in) **Weight** 19.4 oz (550 gm)

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 Cat. No. P75718 or P75718A; T-Code T3C. Exia; Class I, Zone 0 Gp IIC (SKC Cat. No. 220-5000TC)
- CE, UKCA
- Designed to meet ISO 13137:2022









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Key Features



- 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





Description	Part No:
AirChek TOUCH Pump only with Li-Ion battery pack, instruction manual and mini screwdriver kit, requires charging cradle and power supply; see kits or cradles below.	220-5000TC
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 Multi-dust 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, Dust Kit and **Vapour Kits** are also available, please contact us for further information	

Recommended Calibrator	
chek-mate with UKAS-traceable calibration certificate	375-0550
Recommended Accessories	
Low Flow Kit	210-500
Protective Pouch	224-911