SKC Europe

SKC

AirChek Essential Sampling Pump

Description	Part No:
AirChek Essential Pump only	220-3000

Kits	Part No:
Starter Pump Kit	220-3000-S
Single High Flow Pump Kit	220-3000-K
3-pack High/Low Flow Pump Kit	220-3000-K3D
5-pack High Flow Pump Kit	220-3000-K5

Recommended Acessories	Part No:
Low Flow Kit	210-500
Protective Pouch	224-911
chek-mate Flowmeter with NIST-traceable calibration certificate	375-0550N
chek-mate Flowmeter with UKAS-traceable calibration certificate	375-0550

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Issue-1

AirChek Essential

The SKC AirChek ESSENTIAL is a sample pump that is simple to use with its intuitive touch keypad operation.

- Compact, lightweight design
- Ultra-quiet
- Extended flow range, 5 to 5000 ml/min, suitable for dust sampling and vapour sampling
- High back pressure compensation- up to 50 inches water at 2 L/min
- Powerful Li-ion battery for long run times - over 40 hours
- Patented* isothermal internal flow sensor
- Flow fault and auto-restart
- Large LCD with protective screen cover and screen lock-out feature
- Displays elapsed time
- Highly visible pump run and fault status LEDs
- Tough non-slip anti-static case
- UL/ATEX approved

* US Patent No. 5,892,160

Specifications

Flow
- Constant flow from 1000 to 5000 ml/min (5 to 500 ml/min requires low flow holder)

Compensation Range
- 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 60 inches water back pressure

Power
- Removable rechargeable lithium-ion (Li-Ion) battery, V, 2.6 Ah, 19.2 Wh or AC using cradle
- Run Time 40+ hours at 2000 ml/min,* 15+ hours at 5000 ml/min,* Indefinite run from charging cradle

Accuracy
- Flow control: ± 5% of set-point after calibration to desired flow
- Atmospheric pressure: ± 0.3 in Hg
- Temperature: ± 1 C

Display/Parameters
- B&W display, elapsed sampling time

User Interface
- Capacitive touch keypad with locking option
- Sound Level Average 51.7 dB at 3-ft (1-m) distance using 37-mm, 0.8-µm MCE filter cassette
- Tubing Requires ¼-inch ID tubing
- Dimensions/Weight • 4.1 x 3.7 x 2.8 in (10.4 x 9.4 x 7.1 cm), 19.4 oz (550 gm)

Certifications
- Intrinsic Safety: (SKC Cat. No. 220-3000 operated with SKC Battery Pack P75718 or P75718A) Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III, T4; Class I, Zone 0, AExia IIC T4 Ga; Ex ia IIC T4 Ga; -20°C ≤ Ta ≤ 45°C; Ex II 1G Ex ia IIC T4 Ga; IECEx UL 19.0100; DEMKO 19ATEX 2288; UL-22UKEX2351; CE 0539; UKCA 0843

The AirChek ESSENTIAL is also available in basic, dust, vapour/gas, and combined dust and vapour kits.