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UNITED KINGDOM CONFORMITY ASSESSMENT  
**UK-TYPE EXAMINATION CERTIFICATE**

[2]

**Product or Protective System Intended for use in Potentially Explosive Atmospheres  
UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1**

[3]

UK-Type Examination Certificate No.: **UL22UKEX2351 Rev. 1**

[4]

Product: **Models 220-3000 (AirChek Essential), 220-3100, and 220-4000 (AirChek Connect)**

[5]

Manufacturer: **SKC Inc.**

[6]

Address: **863 Valley View Rd., Eighty Four, PA 15330 USA**

[7]

This product and any acceptable variation thereto are specified in the schedule to this certificate and the documents therein referred to.

[8]

UL International (UK) Ltd, Approved Body number 0843, in accordance with Regulation 44 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended by UKSI 2019:696), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.

The examination and test results are recorded in the confidential report **US/UL/ExTR19.0115/01**.

[9]

Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN IEC 60079-0:2018 EN 60079-11:2012**

Except in respect of those requirements listed at section 19 of the schedule to this certificate.

[10]

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the Schedule to this certificate.

[11]

This UK-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.

[12]

The marking of the product shall include the following:

 **II 1 G Ex ia IIC T4 Ga**

**Certification Officer**  
Andrew Moffat

This is to certify that the sample(s) of the Product described herein ("Certified Product") has been investigated and found in compliance with the Standard(s) indicated on this Certificate, in accordance with the UKEx Product Certification Program Requirements. This certificate and test results obtained apply only to the product sample(s) submitted by the Manufacturer. UL did not select the sample(s) or determine whether the sample(s) provided were representative of other manufactured product. UL has not established Follow-Up Service or other surveillance of the product. The Manufacturer is solely and fully responsible for conformity of all product to all applicable Standards, specifications, requirements or Regulations. The test results may not be used, in whole or in part, in any other document without UL's prior written approval.

**Date of issue:** 2022-05-20

**Re-issued:** 2023-06-08

**Approved Body**

UL International (UK) Ltd Unit 1-3 Horizon Kingsland Business Park Wade Road, Basingstoke RG24 8AH, UK  
Phone : +44 (0)1256 312100

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[14]

**Schedule**  
**UK-TYPE EXAMINATION CERTIFICATE No.**  
**UL22UKEX2351 Rev. 1**

- [15] Description of Product  
The Model 220-3000 (AirChek Essential), Model 220-3100, and Model 220-4000 (AirChek Connect) are portable air sampling pumps powered by battery pack part number P75718. The battery pack contains two rechargeable lithium-ion cells in series and is charged only in non-hazardous locations. The Model 220-3000 has a passive segmented LCD. Models 220-3100 and 220-4000 have a custom graphic LCD and may have Bluetooth capabilities and a backup lithium carbon monofluoride coin cell.

Temperature range

The ambient temperature range is -20°C to +45°C with a T4 temperature classification.

Electrical data

For use only with battery pack P75718, manufactured by SKC  
7.6 V nominal, 8.4 V peak, Um = 12 V

- [16] Test Report No. (associated with this certificate issue)  
The test report no. is provided under item no. [ 8 ] on page 1 of this UK-Type Examination Certificate.

- [17] Specific conditions of use:  
None

- [18] Conditions of certification:  
None

- [19] Essential Health and Safety Requirements (Regulations Schedule 1)  
In addition to the Essential Health and Safety Requirements covered by the standards listed at item 9, all other requirements are demonstrated in the relevant reports.

Additional information

The manufacturer shall inform the approved body concerning all modifications to the technical documentation as described in UKSI 2016:1107 (as amended by UKSI 2019:696) – Schedule 3A, Part 1.

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## Schedule

### UK-TYPE EXAMINATION CERTIFICATE No.

#### UL22UKEX2351 Rev. 1

[20] Drawings and Documents

Title:	Drawing No.:	Rev. Level:	Date:
Installation Guide, AC Essential/AC Connect	-	3	2023-05-10
Assembly, AirChek Essential 220-3000	IS-220-3000	0	2019-10-10
Assembly, AirChek Connect 220-4000	IS-220-4000	1	2023-04-28
Cable Routing, AC Essential/AC Connect	IS-220-3000/4000-CR	1	2023-04-28
Enclosure Sealing, AC Essential & AC Connect	IS-220-3000/4000-S	1	2023-04-28
External Materials AC Essential & Connect	IS-Essential-Connect-M	1	2023-04-28
Label, AC Essential	IS-35316	3	2022-03-21
Label AC Connect	IS-35314	3	2022-03-21
Label, Model 220-3100	IS-35324	0	2023-04-28
Top Housing, AC Essential/AC Connect	IS-20428	2	2019-11-25
Main Housing, AC Essential/AC Connect	IS-20420	4	2014-02-03
Inlet Filter Holder, AC Essential & AC Connect	IS-20423	4	2014-02-28
Screen Cover, AC Essential & AC Connect	IS-20422	1	2017-11-21
Belt Clip, AC Essential & AC Connect	IS-51824	0	2013-07-18
Pump Stack Assembly, AC Essential & AC Connect	IS-21268C	0	2019-10-10
Display 72668LF, AC Essential	72668LF	2	2019-01-25
Display 128x64 COG, AC Connect	M5443B	F	2014-09-29
MB443B BOM	IS-M5443B-BOM	0	2016-11-09
Insulator, Control PCB, AC Essential/AC Connect	IS-35312	0	2019-10-10
BOM, Power PCB, AC Essential/AC Connect	IS-79591LF-01 BOM	7	2019-10-10
Power PCB, AC Essential/AC Connect	IS-79591LF	7	2019-10-10
Assembly, Power PCB, AC Essential/AC Connect	IS-79591LF-01	7	2019-10-10
Schematics, Power PCB, AC Essential/AC Connect	IS-79591LF-S	7	2019-10-10
BOM, Control PCB, AC Essential	IS-79592LF-01 BOM	3	2019-10-10
Control PCB, AC Essential	IS-79592LF	3	2019-10-10
Assembly, Control PCB, AC Essential	IS-79592LF-01	3	2019-10-10
Schematics, Control PCB, AC Essential	IS-79592LF-S	3	2019-10-10
BOM, Control PCB, AC Connect	IS-79593LF-01 BOM	7	2023-04-24
Control PCB, AC Connect	IS-79593LF	6	2019-10-10
Assembly, Control PCB, AC Connect	IS-79593LF-01	6	2019-10-10
Schematics, Control PCB, AC Connect	IS-79593LF-S	6	2019-10-10
BOM, Switch PCB, AC Essential/AC Connect	IS-79594LF-01 BOM	8	2019-10-10
Switch PCB, AC Essential/AC Connect	IS-79594LF	8	2019-10-10
Assembly, Switch PCB, AC Essential/AC Connect	IS-79594LF-01	8	2019-10-10
Schematics, Switch PCB, AC Essential/AC Connect	IS-79594LF-S	8	2019-10-10
Battery Pack Label	IS-35303	3	-
Certification Parts List, Battery Pack Assembly	IS-75718APL	4	-
Battery Housing	IS-20425	2	-
Battery Housing Lid	IS-20426	2	-
Battery Housing Lid (Alternate)	IS-20426-ALT	-	03-27-14
Assembly, Battery Pack	IS-75718A	5	-
Assembly, Battery Cell	IS-75718	3	-

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Title:	Drawing No.:	Rev. Level:	Date:
Fish Paper	IS-51921	1	-
Schematic, Battery PCB	IS-79580LF-S	6	-
BOM, Battery PCB	IS-79580LF-01	7	-
Layout, Battery PCB	IS-79580LF	6	-