



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEX UL 19.0100** Page 1 of 4 [Certificate history:](#)
Issue No: 1 [Issue 0 \(2019-11-27\)](#)

Status: **Current**

Date of Issue: 2023-05-31

Applicant: **SKC Inc.**
863 Valley View Road
Eighty Four, PA 15330
United States of America

Equipment: **Air sampling pumps, Models 220-3000, 220-3100 and 220-4000.**

Optional accessory:

Type of Protection: **Intrinsic Safety "ia"**

Marking: **Ex ia IIC T4 Ga**
-20°C to +45°C

Approved for issue on behalf of the IECEx
Certification Body:

Katy A. Holdredge

Position:

Senior Staff Engineer

Signature:
(for printed version)

Date:
(for printed version)

2023-05-31

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.



Certificate issued by:

UL LLC
333 Pfingsten Road
Northbrook IL 60062-2096
United States of America





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Manufacturer: **SKC Inc.**
863 Valley View Road
Eighty Four, PA 15330
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Manufacturing locations: **SKC Inc.**
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This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEX Quality system requirements. This certificate is granted subject to the conditions as set out in IECEX Scheme Rules, IECEX 02 and Operational Documents as amended

STANDARDS :

The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

[IEC 60079-0:2017](#) Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

[IEC 60079-11:2011](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:

A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Reports:

[US/UL/ExTR19.0115/00](#)

[US/UL/ExTR19.0115/01](#)

Quality Assessment Report:

[US/UL/QAR16.0018/04](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

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.

Please see Annex for additional information.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1: Added Model 220-3100 and updated documentation.

Annex:

[Annex to IECEx UL 19.0100 Issue 1.pdf](#)



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Annex to Certificate No.:

IECEX UL 19.0100

Issue No.: 1

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PARAMETERS RELATING TO THE SAFETY

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

MARKING

Marking has to be readable and indelible; it has to include the following indications:

<p>Model 220-3100 SN YY9999</p> <p>Intrinsically Safe / Sécurité Intrinsèque Air Sampling Pump</p> <p>UL US LISTED E62011</p> <p>CI I, Gps A,B,C,D; CI II, Gps E,F,G; CI III; T4; $-20^{\circ}C \leq T_a \leq 45^{\circ}$</p> <p>CI I Zn 0, AEx Ia IIC T4 Ga, Ex Ia IIC T4 Ga II1G Ex Ia IIC T4 Ga, IECEX, UL 19.0100. DEMKO 19ATEX 2288, UL22UKEX2351</p> <p>WARNING: Read manual before use. Use only SKC Model P75718 battery.</p> <p>863 Valley View Rd, Eighty Four, PA USA</p> <p>CE 0539 UK CA 0843</p>	<p>SKC AirChek CONNECT Model 220-4000 SN YY9999</p> <p>Intrinsically Safe / Sécurité Intrinsèque Air Sampling Pump</p> <p>UL US LISTED E62011</p> <p>CI I, Gps A,B,C,D; CI II, Gps E,F,G; CI III; T4; $-20^{\circ}C \leq T_a \leq 45^{\circ}$</p> <p>CI I Zn 0, AEx Ia IIC T4 Ga, Ex Ia IIC T4 Ga II1G Ex Ia IIC T4 Ga, IECEX, UL 19.0100. DEMKO 19ATEX 2288, UL22UKEX2351</p> <p>WARNING: Read manual before use. Use only SKC Model P75718 battery.</p> <p>863 Valley View Rd, Eighty Four, PA USA</p> <p>CE 0539 UK CA 0843</p>
<p>SKC AirChek ESSENTIAL Model 220-3000 SN YY9999</p> <p>Intrinsically Safe / Sécurité Intrinsèque Air Sampling Pump</p> <p>UL US LISTED E62011</p> <p>CI I, Gps A,B,C,D; CI II, Gps E,F,G; CI III; T4; $-20^{\circ}C \leq T_a \leq 45^{\circ}$</p> <p>CI I Zn 0, AEx Ia IIC T4 Ga, Ex Ia IIC T4 Ga II1G Ex Ia IIC T4 Ga, IECEX, UL 19.0100. DEMKO 19ATEX 2288, UL22UKEX2351</p> <p>WARNING: Read manual before use. Use only SKC Model P75718 battery.</p> <p>863 Valley View Rd, Eighty Four, PA USA</p> <p>CE 0539 UK CA 0843</p>	

SKC Battery Pack Model P75718

Li-Ion; 7.4V, 2.6Ah, 19Wh

WARNING: Use only SKC specified charger. Do not charge/change in hazardous areas.
Risk of fire, explosion, and burns. Do not disassemble, crush, heat above 100°C (212°F) or incinerate.

MADE IN USA

www.skcinc.com