



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 SIR 11.0055X**

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Certificate history:

Status: **Current**

Issue No: 5

Issue 4 (2020-11-11)

Issue 3 (2014-06-25)

Issue 2 (2013-06-07)

Issue 1 (2012-06-13)

Issue 0 (2011-05-23)

Date of Issue: 2022-07-14

Applicant: **SKC Limited**
11 Sunrise Park
Higher Shaftesbury Road
Blandford Forum
Dorset DT11 8ST
United Kingdom

Equipment: **210-3311 AirChek 3000 Air Sampling Pump**

Optional accessory:

Type of Protection: **Intrinsic Safety and Dust**

Marking: Ex ia IIC T4 Ga
Ex ia I Ma
Ex ia III C T120°C Da
Ta = 0°C to +40°C

Approved for issue on behalf of the IECEx
Certification Body:

Michelle Halliwell

Position:

Director Operations, UK & Industrial Europe

Signature:
(for printed version)

Date:
(for printed version)

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:

CSA Group Testing UK Ltd
Unit 6, Hawarden Industrial Park
Hawarden, Deeside CH5 3US
United Kingdom





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Date of issue: 2022-07-14

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Manufacturer: **SKC Limited**
11 Sunrise Park
Higher Shaftesbury Road
Blandford Forum
Dorset DT11 8ST
United Kingdom

Manufacturing
locations:

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:

[GB/SIR/ExTR11.0111/00](#)
[GB/SIR/ExTR14.0153/00](#)

[GB/SIR/ExTR12.0152/00](#)
[GB/SIR/ExTR20.0195/00](#)

[GB/SIR/ExTR13.0155/00](#)
[GB/SIR/ExTR22.0067/00](#)

Quality Assessment Report:

[GB/SIR/QAR07.0024/10](#)



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Date of issue: 2022-07-14

Issue No: 5

EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The 210-3311 AirChek 3000 Air Sampling Pump is a portable device designed to pump air at a constant flow rate. When used in conjunction with a suitable air sampling device and collection substrate, it is used to determine the amount of particulate and/or gaseous contaminants in a given volume of air. The equipment comprises a removable, rechargeable, encapsulated battery pack, a battery operated, motor driven, pump mechanism and an electronic circuit to control the rotational speed of the motor to maintain a constant air flow rate. The electronic circuit also provides a low battery shutdown function, detection of blockage of the airflow, and control and monitoring of the duration of the sampling period. This circuit also provides a serial data interface port providing connection to a computer in the safe area for programming of the pump air flow rate and sample period duration, and retrieval of logged sample performance data. The motor, pump mechanism and electronic circuit are housed in a plastic enclosure and may use different filter covers/pump inlet arrangements to suit the application.

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Use only with Replaceable Battery Pack SKC LTD P21030. Do not disconnect battery pack from the pump in hazardous locations.
2. The battery pack shall only be fitted in a clean environment.
3. Do not charge battery or connect to Datatrac PC Interface port in hazardous locations.
4. The maximum input voltage, U_m , at the the Datatrac PC Interface port of the 210-3311 AirChek 3000 Air Sampling Pump is 6 V. The safe area apparatus that is to be connected to the Datatrac PC Interface port shall be a Safety Extra Low Voltage (SELV) or Protective Extra Low Voltage (PELV) circuit.
5. Do not subject the equipment to intense sunlight for long periods.
6. The window associated with the Liquid Crystal Display could possibly store an electrostatic charge if rubbed. Therefore, the user shall implement precautions to prevent the build up of electrostatic charge. This is particularly important if the equipment is installed in a zone 0 location. In addition, the equipment shall only be cleaned with a damp cloth.



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

Issue 1 – this Issue introduced the following changes:

1. The introduction of Condition of Certification 6 relating to the Liquid Crystal Display.
2. Corrections and modifications of the circuit capacitance were approved.

Issue 2 – this Issue introduced the following changes:

1. The value of safety resistor R39 was reduced from a minimum of 71R to 37R.
2. A non-safety resistor was introduced in series with the pump.

Issue 3 – this Issue introduced the following change:

1. The introduction of alternative TPE plastic materials that are used for the product case overmould.

Issue 4 – this Issue introduced the following change:

1. The introduction of an alternative epoxy resin, Robnor Resins PX804C-1, for the encapsulation of the battery pack.

Issue 5 – this Issue introduced the following changes:

1. Following appropriate assessment to demonstrate compliance with the latest technical knowledge, IEC 60079-0:2004, IEC 60079-11:2006, IEC 60079-26:2006 and IEC 61241-11:2005 were replaced by IEC 60079-0:2017 and IEC 60079-11:2011.
2. Recognise minor drawing modifications.