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 BAS 19.0122X**	Page 1 of 3	Certificate history:
Status:	**Current**	Issue No: 0	
Date of Issue:	2020-03-23		
Applicant:	**Hochiki Europe** Grosvenor Road Gillingham Business Park Gillingham Kent ME8 0SA **United Kingdom**		
Equipment:	**SOC-E-IS Conventional Optical Smoke Detector**		
Optional accessory:			
Type of Protection:	**Intrinsic Safety**		
Marking:	Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)		

Approved for issue on behalf of the IECEx Certification Body: **Mr R S Sinclair**

D BREARLEY
Certification
Manager

Position: **Technical Manager**

Signature:
(for printed version)

pp D Brearley

Date: 23/3/20

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:

SGS Baseefa Limited
Rockhead Business Park
Staden Lane
Buxton, Derbyshire, SK17 9RZ
United Kingdom

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Manufacturer: **Hochiki Europe**
Grosvenor Road
Gillingham Business Park
Gillingham
Kent
ME8 0SA
United Kingdom

Additional 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 Report:

GB/BAS/ExTR19.0330/00

Quality Assessment Report:

GB/BAS/QAR13.0003/04

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The SOC-E-IS Conventional Optical Smoke Detector is designed to detect combustion products in the air within a hazardous area and provides an alarm indication on a locally mounted LED and to equipment located in the non-hazardous area via a suitable interface.

The SOC-E-IS comprises various components, including LEDs and a photodetector, mounted on a printed circuit board (PCB) which is encapsulated and housed within a plastic enclosure. A perforated metal sheet permits access for the combustion products to the photodetector. The smoke detector sub-assembly is mounted on a Base Unit Type YBN-R/4(IS) which incorporates the field terminals. Cable entry to the field terminals is from the base of the enclosure.

This certificate covers the following variants:

SOC-E-IS, all variants

SOC-E-IS (WHT), all variants

Input/output parameters

Both variants:

U_i = 30V C_i = 0
I_i = 100mA L_i = 0
P_i = 750mW

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. The plastic enclosure may present a potential electrostatic ignition hazard; the equipment must not be rubbed or cleaned with a dry cloth or solvents or installed within a dust-laden airflow.