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 KIWA 19.0031X**

Certificate history:
Issue 0 (2020-04-24)

Status: **Current**

Issue No: 1

Date of Issue: 2025-02-05

Applicant: **Ashcroft Instruments GmbH**
Max-Planck-Straße 1-9
Alsdorf 52477
Germany

Equipment: **Pressure-, Level- and Differential pressure transmitter PLATINUM SERIES PP55, CP55 and DP55**

Optional accessory:

Type of Protection: **Ex ia**

Marking: Ex ia IIC T4 Ga
Ex ia IIC T5 Ga
Ex ia IIC T6 Ga

Approved for issue on behalf of the IECEx Certification Body: **Dave Magee**

Position: **Senior Director of Operations, Toronto**

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
178 Rexdale Blvd
Toronto Ontario M9W 1R3
Canada

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Certificate No.: **IECEx KIWA 19.0031X**

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Manufacturer: **Ashcroft Instruments GmbH**
Max-Planck-Straße 1-9
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Manufacturing locations: **Ashcroft Instruments GmbH**
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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:

NL/KIWA/ExTR19.0033/00 NL/KIWA/ExTR19.0033/01

Quality Assessment Report:

GB/CSAE/QAR24.0001/00

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

Transmitters PLATINUM SERIES PP55, CP55 and DP55 are intrinsically safe Pressure, Level and Differential pressure transmitters. The measurement signal of the applied pressure at the sensor is converted into a 4 - 20 mA signal and digital communication (Option HART®).

The following types with their application are available:

Type	Application
PLATINUM SERIES PP55	Pressure and Level
PLATINUM SERIES CP55*	Pressure and Level
PLATINUM SERIES DP55	Differential Pressure

* Transmitters PLATINUM SERIES PP55 and PLATINUM SERIES CP55 are identical, with the exception that the process connection of the PLATINUM SERIES CP55 is suitable for hygienic applications (e.g. food, chemical and pharmaceutical industries).

As standard the transmitters are provided with a rotatable graphic display for local read-out and control, behind a blind cover. For local read-out a transparent cover can be provided (Option DG)

The transmitters consist of a stainless steel enclosure with electronic circuits that are identical for all versions. The sensor and the process connection are directly mounted to the stainless steel enclosure and are different for the several versions.

SPECIFIC CONDITIONS OF USE: YES as shown below:
- From a safety point of view, the intrinsically safe supply and output circuit is considered to be earthed.

- Refer to Annex 1 to this certificate for thermal data.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Issue 1 – this Issue introduced the following changes:

1. To change the company address to Max-Planck-Str. 1-9, Alsdorf D-5247

Annex:

IECEx KIWA 19.0031X Iss 1 Annexe.pdf

Annexe to: **IECEx KIWA 19.0031X Issue 1**

Applicant: **Ashcroft Instruments GmbH**

Apparatus: **Pressure-, Level- and Differential pressure transmitter PLATINUM SERIES PP55, CP55 and DP55**

Thermal data

The relation between transmitter option, electrical variant temperature class, ambient temperature and process temperature is as follows:

Option, Electrical variant	Temperature Class	Ambient Temperature	Process Temperature
EX4, Single4 – 20mA output	T4	-20 °C to +70 °C	-20 °C to +100 °C
EX5, Single4 – 20mA output	T5	-20 °C to +70 °C	-20 °C to +100 °C
EX6, Single4 – 20mA output	T6	-20 °C to +31°C	-20 °C to +50°C

Electrical data

Supply and output circuit (terminals + and-):

In type of protection intrinsic safety Ex ia IIC, only for connection to a certified intrinsically safe circuit, with following maximum values per output channel:

Ui= 30 Vdc; Ii= 110 mA; Pi= 0.9 W; Ci= 41 nF; Li= 0.08 mH.

Date: **05 February 2025**

CSA Group Testing & Certification Inc.
178 Rexdale Boulevard,
Toronto, Ontario M9W 1R3