



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 17.0004**

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Certificate history:

Status: **Current**

Issue No: 1

[Issue 0 \(2017-09-07\)](#)

Date of Issue: 2021-02-11

Applicant: **Wigersma & Sikkema**
Leigraafseweg 4
6983 BP Doesburg
Netherlands

Equipment: **Wireless Interface Module 3**

Optional accessory:

Type of Protection: **Ex ia op is**

Marking: Ex ia op is IIC T3 Ga

Approved for issue on behalf of the IECEx
Certification Body:

Dorin Stochitoui P. Eng

Position:

Technical Oversight Specialist

Signature:
(for printed version)

Date:

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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Manufacturer: **Wigersma & Sikkema**
Leigraafseweg 4
6983 BP Doesburg
Netherlands

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 60079-0:2011 Explosive atmospheres - Part 0: General requirements
Edition:6.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

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/ExTR17.0005/00](#)

[NL/KIWA/ExTR17.0005/01](#)

Quality Assessment Report:

[NL/DEK/QAR16.0014/02](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The battery supplied Wireless Interface Module 3 converts infrared data signals from digital manometers into Bluetooth radio data signals. The module and its belonging battery compartment are mounted in the PLEXOR PN100-3 or PLEXOR PN16-3 inspection system, which is used for functional testing of gas pressure regulation stations.

Ambient temperature range -10 °C to +50 °C.

Electrical Data

Supply:

Three alkaline cells, model AA, in series of type:

- Industrial-ID1500 manufactured by Duracell or;

- Industrial 4006 manufactured by VARTA or;

- LR6AD Powerline manufactured by Panasonic;

- EN91, manufactured by Energizer;

or three nickel metal hydride cells, model AA, in series of type HHR-210AA/B, manufactured by Panasonic.

Two optical interfaces (IrDa): Inherently safe; radiance < 5 mW/mm².

Radio interface (Bluetooth): Transmitted power < 300 mW.

SPECIFIC CONDITIONS OF USE: NO



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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Changes to the mechanical construction of the enclosure and battery holder.
2. Addition of a new Wireless Interface Module 3 inspection system PLEXOR PN16-3.
As a result, the marking label and user manual are updated.
3. Addition of a AA size alkaline cell type EN91, manufactured by Energizer.