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 DEK 19.0016**	Page 1 of 4	Certificate history:
Status:	**Current**	Issue No: 1	Issue 0 (2019-07-23)
Date of Issue:	2020-03-03		
Applicant:	**Aloxy NV** Sint-Pietersvliet 7, 2000 Antwerpen **Belgium**		
Equipment:	**Battery powered wireless IOT sensor, type Aloxy Pulse V01**		
Optional accessory:			
Type of Protection:	**Ex ib**		
Marking:	Ex ib IIC T4 Gb		

Approved for issue on behalf of the IECEx Certification Body:	**R. Schuller**
Position:	**Certification Manager**
Signature: (for printed version)	
Date:	2020-03-03

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:

DEKRA Certification B.V.
Meander 1051
6825 MJ Arnhem
Netherlands

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Issue No: 1

Manufacturer: **Aloxy NV**
Sint-Pietersvliet 7, 2000 Antwerpen
Belgium

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:

NL/DEK/ExTR19.0022/01

Quality Assessment Report:

NL/DEK/QAR19.0009/00

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

The Aloxy Pulse v01 is an intrinsically safe battery powered wireless data collection device, containing temperature and inertial sensors and is intended for fixed applications.

Depending on the use-case, the Aloxy Pulse can be programmed or configured to capture signals from one of its embedded sensors, perform initial pre-processing of the measured data on its microcontroller and wirelessly transmit the resulting data over one of the supported communication networks.

Two programmable push buttons allow for user-initiated event recording and multiple LED's provide visual event feedback.

Ambient temperature range: -40 °C to 70 °C.
The process temperature range is -40 °C to 70 °C, applicable when mounted to e.g. pipes or machines.

Electrical data

The following user replaceable 3.6V battery packs are allowed to be used:
ALOXY partnumber: T36851CCC
ALOXY partnumber: E36850CCC

SPECIFIC CONDITIONS OF USE: NO

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Minor non-Ex critical changes.