



DEKRA Pulse V01 Battery Powered Wireless IOT Sensor Owner's Manual

[Home](#) » [DEKRA](#) » DEKRA Pulse V01 Battery Powered Wireless IOT Sensor Owner's Manual 

Contents

- [1 DEKRA Pulse V01 Battery Powered Wireless IOT Sensor](#)
- [2 Product Information](#)
- [3 CERTIFICATE](#)
- [4 Documents / Resources](#)
 - [4.1 References](#)
- [5 Related Posts](#)



DEKRA Pulse V01 Battery Powered Wireless IOT Sensor



Product Information

The Aloxy Pulse V01 is a battery powered wireless data collection tool. It is designed for fixed applications and is equipped with temperature and inertial sensors. The device can be programmed or configured to capture signals from its embedded sensors, perform initial pre-processing of the measured data on its microcontroller, and wirelessly transmit the resulting data over supported communication networks. The Aloxy Pulse features two programmable pushbuttons for user-initiated event recording and multiple LED indicators for visual event feedback. The device does not have any serviceable parts except for the 3.6V battery pack, which can only be removed using a tool.

CERTIFICATE

- Issued to
- Applicant
- Alkoxy
- Sint-Pietersvliet 7
- 2000 Antwerpian, Belgium

Licensee:

Aloxy

- Sint-Pietersvliet 7
- 2000 Antwerpian, Belgium
- **Product** : Battery powered wireless IOT sensor
- **Trade name(s)** : Aloxy
- **Type(s)/model(s)** : Pulse V01

The product and any acceptable variation thereto is specified in the Annex to this certificate and the documents therein referred to.

DEKRA hereby declares that the above-mentioned product has been certified on the basis of

- an evaluation according to the standard(s) CAN/CSA C22.2 No. 60079-11:2014, CSA C22.2 No. 213:2017, CSA C22.2 No. 60079-0:2019, UL 60079-0:2019, UL 60079-11:2013 and UL 121201:2017
- an inspection of the factory location according to DEKRA's North American Certification Scheme
- a DEKRA certification agreement with the number 6063326

DEKRA hereby grants the right to use the DEKRA certification mark as shown below.

The DEKRA certification mark may be applied to the product as specified in this certificate for the duration and under the conditions of the DEKRA certification agreement.

This certificate is issued on 7 December 2022 and expires upon withdrawal of one of the above mentioned standards.

Certificate number: 71-126015

SPECIFICATION OF THE CERTIFIED PRODUCT

Product data

Product	:	Battery powered wireless IOT sensor
Trade name(s)	:	Aloxy
Type(s)/model(s)	:	Pulse V01
Marking Canada	:	Class I, Zone 1, Ex ib IIC T4 Gb
Marking Canada / USA	:	Class I, Division 2, groups ABCD T4
Marking USA	:	Class I, Zone 1, AEx ib IIC T4 Gb
Ambient temperature	:	-40 °C to +70 °C

TESTS

- Test requirements
- CAN/CSA C22.2 No. 60079-11:2014 CSA C22.2 No. 213:2017
- CSA C22.2 No. 60079-0:2019
- UL 60079-0:2019
- UL 60079-11:2013
- UL 121201:2017

Test result

The test results are laid down in DEKRA test file 227024500.

Conclusion

The examination proved that all requirements were met.

Factory location

The factory location is registered with the number 298557.

ANNEX TO cDEKRAus CERTIFICATE 71-126015

Standards electrical safety

The product has been certified on the basis of an evaluation according to the standards CSA C22.2 No. 61010-1-12 and UL 61010-1:2012.

Description

The Aloxy Pulse V01 is a battery powered wireless data collection tool. It is intended for fixed applications with temperature and inertial sensors.

Depending on the use, 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 pushbuttons allow for user-initiated event recording and multiple LED's provide visual event feedback.

The Aloxy Pulse contains no serviceable parts other than the 3.6V battery pack. The battery pack is removeable only through use of a tool.

Hazardous area Classification

The relation between the configuration, temperature class and ambient temperature is shown below.

Configuration	Temperature Class	Ambient temperature
IS for Class I, Zone 1, Group IIC	T4	-40 °C to +70 °C
Class I, Division 2, Groups A-D	T4	-40 °C to +70 °C

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

The enclosure has a degree of protection IP69 in accordance with ANSI/IEC 60529:2004 and CAN/CSA-C22.2 No. 60529:2016.

Electrical data

The following replaceable battery pack is allowed to be used:

ALOXY partnumber: T36851CCC

Type designation

Pulse V01, Wireless IOT Sensor

Specific Conditions of Use:


N/A

Certificate history

Project : 225774300 initial certificate

DEKRA Certification B.V. Meander 1051, 6825 MJ Arnhem P.O. Box 5185, 6802 ED Arnhem, The Netherlands
T +31 88 96 83000 F +31 88 96 83100 www.dekra.nl Company registration 09085396

Documents / Resources

	<p>DEKRA Pulse V01 Battery Powered Wireless IOT Sensor [pdf] Owner's Manual Pulse V01 Battery Powered Wireless IOT Sensor, Pulse V01, Battery Powered Wireless IOT Sensor, Powered Wireless IOT Sensor, Wireless IOT Sensor, IOT Sensor</p>
-------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

References

- [▶ dekra-global-cms-website](#)

Manuals+.