

CERTIFICATE OF CONFORMITY



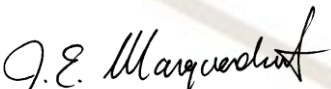
- HAZARDOUS (CLASSIFIED) LOCATION ELECTRICAL EQUIPMENT PER US REQUIREMENTS**
- Certificate No:** FM20US0065X
- Equipment:** Type Pulse V01-19, Battery Powered Wireless IOT Sensor
(Type Reference and Name)
- Name of Listing Company:** Aloxy NV
- Address of Listing Company:** Sint Pietersvliet 7
2000 Antwerpen
Belgium
- The examination and test results are recorded in confidential report number:

PR457294 dated 22nd December 2020
- FM Approvals LLC, certifies that the equipment described has been found to comply with the following Approval standards and other documents:

FM Class 3600:2018, FM Class 3611:2018, FM Class 3810:2018,
ANSI/UL121201:2017, ANSI/ISA 60079-0:2019, ANSI/UL 60079-11:2014,
ANSI/IEC 60529:2004, ANSI/UL 61010-1:2012
- If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to specific conditions of use specified in the schedule to this certificate.
- This certificate relates to the design, examination and testing of the products specified herein. The FM Approvals surveillance audit program has further determined that the manufacturing processes and quality control procedures in place are satisfactory to manufacture the product as examined, tested and Approved.
- Equipment Ratings:**

Intrinsically Safe for Class I, Zone 1, AEx ib IIC T4 Gb; Nonincendive for Class I, Division 2, Groups A, B, C and D T4 hazardous (classified) locations, (IP69) with an ambient temperature rating of -40°C to +70°C.

Certificate issued by:



J.E. Marquedant
VP, Manager - Electrical Systems

22 December 2020

Date

To verify the availability of the Approved product, please refer to www.approvalguide.com

THIS CERTIFICATE MAY ONLY BE REPRODUCED IN ITS ENTIRETY AND WITHOUT CHANGE

FM Approvals LLC. 1151 Boston-Providence Turnpike, Norwood, MA 02062 USA
T: +1 (1) 781 762 4300 F: +1 (1) 781 762 9375 E-mail: information@fmapprovals.com www.fmapprovals.com

SCHEDULE



US Certificate Of Conformity No: FM20US0065X

11. The marking of the equipment shall include:

Class I Division 2, Groups A, B, C, D; T4 Ta = -40°C to +70°C; IP6X

Class I, Zone 1, AEx ib IIC T4 Gb Ta = -40°C to +70°C, IP6X

12. **Description of Equipment:**

The Aloxy Pulse V01-19 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 microcomputer 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 feed back.

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.

Ambient Temperature range: -40 °C to 70 °C.

Electrical/Mechanical data

The Aloxy Pulse are approved to be used with the following user replaceable 3.6V battery packs:

ALOXY part number: T36851CCC

ALOXY part number: F36850CCC

Process Temperature range: -40 °C to 70 °C.

Type Pulse V01-19, Wireless IOT Sensor.

FM20US0065X

NI / I / 2 / ABCD/T4 ; -40°C ≤ Ta ≤ +70°C; IP69

I/1/AEx ib IIC/T4; -40°C ≤ Ta ≤ +70°C; IP69

13. **Specific Conditions of Use:**

1. The Type Pulse V01-19 are FM Approved for use in hazardous locations when used with the Aloxy Battery Pack Part number nos. T36851CCC and E36850CCC.

14. **Test and Assessment Procedure and Conditions:**

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This Certificate has been issued in accordance with FM Approvals US Certification Requirements.

15. **Schedule Drawings**

A copy of the technical documentation has been kept by FM Approvals.

16. **Certificate History**

Details of the supplements to this certificate are described below:

Date	Description
22 nd December 2020	Original Issue.

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