



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 ETL 23.0008X** Page 1 of 3 [Certificate history:](#)

Status: **Current** Issue No: 0

Date of Issue: 2023-07-12

Applicant: **OTODATA Wireless Network Inc.**
1180 Rue De Louvain Ouest
Montreal, Quebec H4N-1G5
Canada

Equipment: **Battery operated wireless remote tank level monitor Model RC1010**

Optional accessory:

Type of Protection: **Intrinsic Safety Ex 'ia'**

Marking: Ex ia IIC T4 Ga
-40°C ≤ Ta ≤ +60°C
IECEX ETL 23.0008X

Approved for issue on behalf of the IECEx
Certification Body:

Todd L. Relyea

Position:

Certification Officer

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:

Intertek
3933 US Route 11 South
Cortland NY 13045-2995
United States of America

intertek



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Manufacturer: **OTODATA Wireless Network Inc.**
1180 Rue De Louvain Ouest
Montreal, Quebec H4N-1G5
Canada

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:

[US/ETL/ExTR23.0030/00](#)

Quality Assessment Report:

[US/ETL/QAR23.0007/00](#)



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EQUIPMENT:

Equipment and systems covered by this Certificate are as follows:

The product is the RC1010 Battery operated wireless remote tank level monitor. The device is a low energy intrinsically safe sensor which will be installed onto a intrinsically safe apparatus or a simple apparatus that is installed onto a propane tank. It will read the tank level data from that apparatus and transmit the information via Bluetooth to a monitor. The product provides intrinsically safe output with the following entity parameters.

Uo = 3.9V
Io = 218mA
Po = 181mW
Co = 38.98uF
Lo = 188.98uH

SPECIFIC CONDITIONS OF USE: YES as shown below:

Under certain extreme conditions, the non-metallic parts incorporated in the enclosure of this equipment may generate an ignition-capable level of electrostatic charge. Therefore the equipment shall not be installed in a location where the external conditions can cause build-up of electrostatic charge on such surfaces. In addition, the enclosure shall only be cleaned with a damp cloth.

Annex:

[105096234EDM-002 - Annex for IECEx Certificate of Conformity_1.pdf](#)



Annex to IECEx Certificate of Conformity

| | | |
|------------------------|---------------------------|--------------------|
| Certificate No: | IECEX ETL 23.0008X | Issue No. 0 |
| Annex No. 1 | | |

| Technical Documents | | | |
|------------------------------|----------------------|--------------------|--------------|
| Title: | Drawing No.: | Rev. Level: | Date: |
| RC1010 ASSEMBLY DRAWING | P0330-99D03X | 0 | 2023/APR/06 |
| RC1010 Material List | P0330-99X06X | 0 | 2023-04-26 |
| Rotarex BLE CAPACITIVE PROBE | C033-1R1-ECO-00-A01X | 02 | 2023-05-10 |
| ROTAREX MAIN SHELL | P0330-10D05X | 0 | 2023/APR/06 |
| ROTAREX TOP CAP | P0330-11D05X | 0 | 2023/APR/06 |
| RC1010 POTTING INSTRUCTIONS | P0333-50P02X | 0 | 2023-06-02 |
| RC1010 MAIN LABEL | P0330-12L01X | 0 | 2023/05/11 |
| C033-1R1 Material List (BOM) | C033-1R1-ECO-XX-X06X | 0 | 2023-04-25 |
| RC1010 INSTALLATION DRAWING | P0330-99D04X | 00 | 2023-06-22 |



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| IECEX Certified Components on Which Conformance Depends | | | | | |
|---------------------------------------------------------|-------------|--------------|------|------------------------------|------------------|
| Item | Description | Manufacturer | Type | Certificate No. / Standards* | Coding / Ratings |
| 1 | NA | | | | |

| Required Manufacturer Routine Testing | | |
|---------------------------------------|---------------------------|---------------------|
| Test | Title/Description of Test | Standard and Clause |
| 1 | NA | |