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 QPS 23.0012X**	Page 1 of 5	Certificate history: Issue 0 (2023-07-28)
Status:	**Current**	Issue No: 1	
Date of Issue:	2026-03-17		
Applicant:	**OTODATA Wireless Network Inc.** 1180 Rue De Louvain Ouest Montreal, Quebec H4N-1G5 **Canada**		
Equipment:	**Remote Tank Level Monitor System**		
Optional accessory:	1) Rochester gauge sensor P/N 9706-M0000, Address-0 and P/N 9706-M0001, Address-1. 2) Splitter cable Fincables P/N MT-017-2F. 3) Splitter connector Finecables P/N MY1-A05. 4) Extension cable Finecables ACHEEXT10 (10ft) or ACHEEXT20 (20ft).		
Type of Protection:	**"ia"**		
Marking:	Ex ia IIB T3 Ga		

Approved for issue on behalf of the IECEx Certification Body: **R. Kohuch**

Position: **Certification Manager**

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:

QPS
Evaluation Services Inc.
81 Kelfield St
Unit 8
Toronto, Ontario M9W 5A3
Canada

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

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

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 Reports:

CA/QPS/ExTR23.0010/00 CA/QPS/ExTR23.0010/01

Quality Assessment Report:

US/ETL/QAR23.0007/02

IECEx Certificate of Conformity

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

Remote Tank Monitor Level System Model TM5240 and TM1540.

SPECIFIC CONDITIONS OF USE: YES as shown below:
To minimize the potential electrostatic charging hazard - wipe only with a damp cloth.

IECEx Certificate of Conformity

Equipment (continued):

There are up to four options Model TM5240 and TM1540 can be configured and put in operation:

Option 1 - With output connected to one gauge sensor:

a- Rochester Gauge P/N 9706-M0000 Address-0; or

b- Rochester Gauge P/N 9706-M0001 Address-1;

Option 2 - With output connected, via a splitter cable or splitter connector, of up to two Rochester gauge sensors Rochester sensors P/N 9706-M0000 Address-0 and P/N 9706-M0001 Address-1.

Extension cable Finecables P/N ACHEEXT10 (3-meter) and P/N ACHEEXT20 (6-meter) of up to a total combined length of 30 meters max can be used.

Option 3 - With output connected to any IECEx Certified Sensor that provides matching Entity Parameters to those assigned to the output of the TM5240 and TM1540:

Uo: 3.9V

Io: 194mA

Po: 161mW

Co: 300uF

Lo: 31.6uH

One sensor with single set of Entity Parameters or two sensor with combined Entity Parameters shall satisfy the following conditions for Entity Approval concept:

$U_o \leq U_i$

$I_o \leq I_i$

$P_o \leq P_i$

$C_o \geq C_i + C_{Cable}$

$L_o \geq L_i + L_{cable}$

Option 4 - There is no output connector/port with this option. TM5240 and TM1540 operates as a stand-alone equipment. It is to be used with a wireless sensor that is not part of this certification.

Data collection is via Bluetooth signal. The same enclosure is used for this option but with its output port completely removed and filled as one solid wall.

IECEx Certificate of Conformity

DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)

1. Addition of new Model TM1540, which is a strip-down version (identical PCB but stuffed with less components) of the previously approved Model TM5240.
2. Update to the method of filling the enclosure, PCB and battery pack holder with encapsulant and styrofoam.
3. Repackaging of battery pack G1126-LF by potting it with 1mm thick encapsulant, which is encased in a hard plastic shell.
4. Change current limiting resistors value that modifies entity parameters allowing use of longer cables
5. Addition of alternative components to the following, with package size and footing remain unchanged and with electrical rating equal or less than those that were previously accepted:
   U11, U13 and M1
6. Add an alternative improved battery pack G1126-LF
7. Made improvements on assembly to accommodate battery pack G1126-LF
8. Change current limiting resistors value that modifies entity parameters allowing use of longer cables
9. Create a new model TM1540 without cellular circuit
10. Add alternative to following components:
    U11,U13 and M1