

# UK-TYPE EXAMINATION CERTIFICATE

Product or Protective Systems Intended for Use in Potentially Explosive Atmospheres

UKSI 2016:1107 (as amended) – Schedule 3A, Part 1

- UK-Type Examination Certificate Number:** ITS23UKEX0723X      **Issue 00**
- Product:** RC1010 Battery operated wireless remote tank level monitor
- Manufacturer:** Otodata Wireless Network Inc.
- Address:** 1180 De Louvain Street West  
Montreal, QC H4N 1G5  
Canada
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Approved Body number 0359, in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016:1107 (as amended), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Schedule 1 of the Regulations.  
  
The examination and test results are recorded in the confidential report **105096234EDM-003**.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN IEC 60079-0:2018; Incorporating corrigendum January 2020 and EN 60079-11:2012; Incorporating corrigendum January 2012 except in respect of those requirements referred to within item 14 of the Schedule.
- If the sign “X” is placed after the certificate number, it indicates that the product is subject to the special conditions of use specified in the Schedule to this certificate.
- This UK-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Regulations apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:

II 1 G



Ex ia IIC T4 Ga

-40°C ≤ Ta ≤ 60°C

**Certification Officer:** \_\_\_\_\_

Todd L. Relyea

**Date:** \_\_\_\_\_

12 July 2023

This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. This Certificate is accredited under UKAS schedule 0010

Intertek Testing & Certification Limited, Cleeve Road, Leatherhead, Surrey, KT22 7SA  
Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

## SCHEDULE:

UK-Type Examination Certificate Number: ITS23UKEX0723X Issue 00

### 11. Description of Product or Protective System

This report documents the assessment of the RC1010 Battery operated wireless remote tank level monitor. The device is a low energy 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 is encapsulated and provides intrinsically safe output with the following entity parameters.

$U_o = 3.9V$

$I_o = 218mA$

$P_o = 181mW$

$C_o = 38.98\mu F$

$L_o = 188.98\mu H$

UKCA Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

### 12. Report Number

Intertek Report: 105096234EDM-003 Issue: 00 Dated: 21 June 2023

### 13. Special Conditions of Certification

(a). Special Conditions of Use

- “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”

(b). Routine Tests

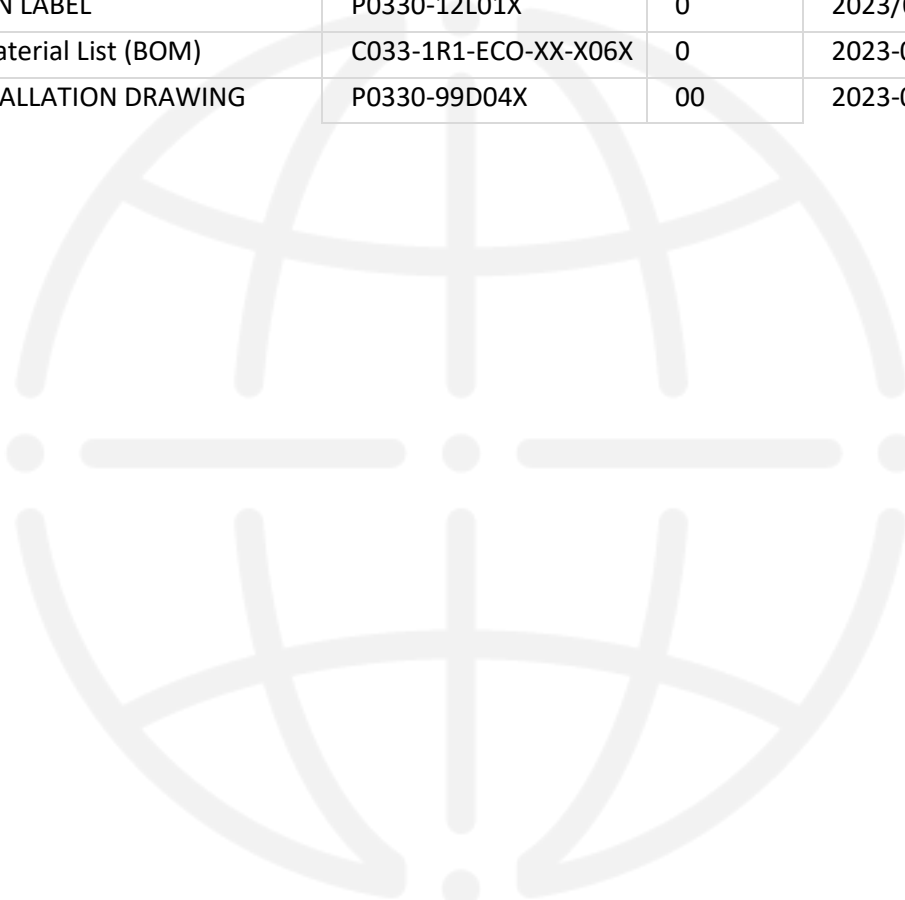
- None

### 14. Essential Health and Safety Requirements (EHSRs)

The relevant Essential Health and Safety Requirements (EHSRs) have been identified and assessed in Intertek Report: 105096234EDM-003 Issue: 00 Dated: 21 June 2023

## 15. Drawings and 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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