1 # EU - TYPE EXAMINATION CERTIFICATE

2 **Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU**

3	EU - Type Examination Certificate Number:	**SGS24ATEX0134X**
4	Product:	**DM2700 Tank Level Radar Measurement Equipment**
5	This certificate is held by:	**Otodata Wireless Network Inc**
6	Address:	**1180 Louvain O, Montreal, Quebec, H4N 1G5 Canada**

7 This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8 SGS Fimko Oy, Notified Body number 0598, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, 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 Annex II to the Directive.

The examination and test results are recorded in confidential Report No. **GB/SGS/ExTR24.0201/00**

9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

EN IEC 60079-0: 2018 EN 60079-11: 2012

except in respect of those requirements listed at item 18 of the Schedule.

10 If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11 This EU - TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12 The marking of the product shall include the following:

See Certificate Schedule

SGS Fimko Oy Customer Reference No. **8406** Project File No. **24/0456**

SGS Fimko Oy
Takomotie 8
FI-00380 Helsinki, Finland
Telephone +358 (0)9 696 361
e-mail sgs.fimko@sgs.com
web site www.sgs.fi
Business ID 0978538-5 Member of the SGS Group (SGA SA)

Mikko Välimäki
SGS Fimko Oy

13 **Schedule**

14 **Certificate Number SGS24ATEX0134X**

15 Description of Product

The DM2700 Radar level measurement sensor uses high frequency radar pulses to determine the ullage distance (or headspace) in a tank, by measuring the time of flight from the bottom of the device to the surface of the liquid. The tank % full volume can be inferred from this figure. This sensor has Bluetooth communication module (BLE 5.0) module to provide for easier setup and activation via a cell phone iOS or Android application.

The DM2700 device is a moulded plastic enclosure with marking labels on the side and the top of the equipment. The DM2700 enclosure is provided with several fixing screws that join a base and cover together and encloses the electronics and the replaceable battery pack.

The DM2700 has a 2" threaded opening to allow it to be screwed into an opening of a tank in the traditional invasive way or can be used with an adaptor to allow sensing in a non-invasive manner.

Equipment Marking

The equipment may be marked with one of the following marking strings dependent on the target ambient temperature range that the equipment is to be used in:

Ⓔx II 1 G Ex ia IIB T4 Ga (-25 °C ≤ Tamb ≤ +50 °C)

Ⓔx II 1 G Ex ia IIB T4 Ga (-30 °C ≤ Tamb ≤ +50 °C)

16 Report Number

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17 Specific Conditions of Use

1. The plastic enclosure is a potential electrostatic hazard. Clean only with a damp cloth and do not mount in a high velocity dust laden atmosphere.
2. Batteries must be changed in a non-hazardous area or when the hazardous atmosphere is known not to be present.
3. The equipment must only be powered by battery packs supplied by Otodata Wireless Network Inc specifically those marked 4-5508 and carry the instruction to use on DM2700.

18 Essential Health and Safety Requirements

In addition to the Essential Health and Safety Requirements (EHSRs) covered by the standards listed at item 9, the following are considered relevant to this product, and conformity is demonstrated in the report:

Clause	Subject
1.2.7	LVD type requirements
1.2.8	Overloading of equipment (protection relays, etc.)
1.4.1	External effects
1.4.2	Aggressive substances, etc.

19 Drawings and Documents

Number	Sheet	Issue	Date	Description
4-5508	1 of 1	01	27/11/2024	4-5508 DM2700 (TEK 880) EVE Battery Twin Pack – Double A ER17505 Harness and Plug Otodata
9-6384	1 of 1	01	---	DM2700 (TEK 880) Otodata Ex Top Label
9-6387	1 of 1	01	---	DM2700 (TEK 880) Otodata Low Temp Ex Top Label
9-6385	1 of 1	01	---	DM2700 (TEK 880) Otodata Side Label

For reference to all other drawings describing the construction of the equipment refer to SGS23ATEX0033X.

The label drawings are common with IECEx SGS 24.0062X issue 0 and SGS24UKEX0135X.