

# CERTIFICATE

## (1) EU-Type Examination

### (2) Equipment or protective systems intended for use in potentially explosive atmospheres - Directive 2014/34/EU

(3) EU-Type Examination Certificate Number: **DEKRA 19ATEX0077 X** Issue Number: **1**

(4) Product: **Sensors, types FE18-Ex, LLS18-Ex, FE20-Ex, LLS20-Ex, LS20-Ex and RD20-Ex**

(5) Manufacturer: **Intermodal Telematics BV**

(6) Address: **Korte Huifakkerstraat 8- 4815 PS Breda,  
The Netherlands**

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

(8) DEKRA Certification B.V., Notified Body number 0344 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 test report number 223291300 issue 1.

(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:



**II 2 G Ex ib IIB T4 Gb**  
**II 2 G Ex ib IIC T4 Gb**

(FE18-Ex and LLS18-Ex)

(FE20-Ex, LLS20-Ex, LS20-Ex and RD20-Ex)

Date of certification: 23 June 2020

DEKRA Certification B.V.

R. Schuller  
Certification Manager



(13) **SCHEDULE**

(14) **to EU-Type Examination Certificate DEKRA 19ATEX0077 X**

Issue No. 1

(15) **Description**

The Full-Empty Sensors FE18-EX and FE20-Ex are battery powered non intrusive level detectors based on ultrasound that detect, at various levels, the presence of liquid behind the wall of a tank or other container.

The Liquid Level Sensors LLS18-EX and LLS20-Ex are battery powered non intrusive level sensors based on ultrasound.

The Leakage Sensor LS20-Ex is a battery powered non intrusive level detector based on ultrasound that detects, at various levels, the presence of liquid in a tank filling or draining pipe.

The Residue Detection Sensor RD20-Ex is a battery powered non intrusive level detector based on ultrasound that detects, at various levels, the presence of liquid in a tank sump.

All types also include up to 3 probes, which form an integral part of the equipment and having a maximum length of 10 meter each as safety limiting length.

Ambient temperature range: -40 °C to +60 °C.

Process temperature range: -40 °C to +140 °C (applies for the probes).

**Electrical data**

Powered by non user-replaceable battery.

The probe(s) are integrally connected to the main equipment.

**Installation instructions**

The instructions provided with the product shall be followed in detail to assure safe operation.

(16) **Report Number**

No. 223291300 issue 1.

(17) **Specific conditions of use**

Electrostatic charges on the non-metallic front of the enclosure shall be avoided.

(18) **Essential Health and Safety Requirements**

Covered by the standards listed at item (9).

(19) **Test documentation**

As listed in Report No. 223291300 issue 1.

(20) **Certificate history**

Issue 0 - 223291300 initial certificate

Issue 1 - 224746300 extension with IIC versions RD20-Ex, LS20-Ex, FE20-Ex, LLS20-Ex