

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: **EESF 21 ATEX 002X Issue 1**
4. Product: **Level sensor**
Certified types: **idOil-OTM or idSET-OTM Sensor**
5. Manufacturer: **Labkotec Oy**
6. Address: **Myllyhaantie 6, FI-33960 Pirkkala, Finland**
7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8. Eurofins Electric & Electronics Finland Oy, Notified Body number 0537, 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. EUFI29-24003557-T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

IEC EN 60079-0:2018 IEC 60079-11:2023
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:



Espoo, 21.2.2025
Eurofins Electric & Electronics Finland Oy

Jenni Hirvelä
Senior Expert

Kari Koskela
Senior Expert

This document is digitally signed.

13. **Schedule**

 14. **EU-Type Examination Certificate EESF 21 ATEX 002X Issue 1**

 15. **Description of Product**

The idOil-OTM or idSET-OTM Sensor sensor measures the thickness of the oil layer formed on the surface of the water in the oil separator. The probe is equipped with a permanently connected cable with a maximum length of 15 m. The probe enclosure is a polypropylene (PP) and AISI-316 (stainless steel).

The maximum input values are (including the 15 m cable):

U_i = 15 V

I_i = 100 mA

P_i = 550 mW

C_i ≤ 4.3 nF

L_i ≤ 1.8 mH

The nominal voltage of the probe is U_n = 7.5 V...15 V

 16. **Report Number**

EUF129-24003557-T1

 17. **Specific Conditions of Use**

1. The allowed ambient temperature range is -30 °C ... +60 °C.
2. The probe shall be installed according to the manufacturer's instructions.

 18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

 19. **Drawings and Documents**

Listed in confidential test report.

 20. **Certificate History**

Issue	Date	Report No.	Comment
EESF 21 ATEX 002X	24.3.2021	EUF129-20006053-T1	Original release
Issue 1	21.2.2025	EUF129-24003557 -T1	Alternative name "idSET-OTM Sensor" added. Compliance with IEC 60079-11:2023 Ed.7.0 verified. New certificate template for NB name changed from Eurofins Expert Services Oy to Eurofins Electric & Electronics Finland Oy.