



# 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](http://www.iecex.com)

Certificate No.: **IECEX EESF 21.0002X** Page 1 of 4 [Certificate history:](#)  
Issue 0 (2021-03-24)

Status: **Current** Issue No: 1

Date of Issue: 2025-02-21

Applicant: **Labkotec Oy**  
Myllyhaantie 6  
FI-33960 Pirkkala  
Finland

Equipment: **Oil level sensors idOil-OTM or idSET-OTM Sensor**

Optional accessory: N/A

Type of Protection: **Intrinsically Safe**

Marking: **Ex ia IIA T4 Ga**  
**Ta = -30 °C...+60 °C**

Approved for issue on behalf of the IECEx  
Certification Body:

**Jenni Hirvelä**

Position:

**Senior Expert**

Signature:  
(for printed version)

Date:  
(for printed version)

2025-02-21

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](http://www.iecex.com) or use of this QR Code.



Certificate issued by:

**Eurofins Electric & Electronics Finland Oy**  
Kivimiehentie 4  
Espoo FI-02150  
Finland





# IECEX Certificate of Conformity

Certificate No.: **IECEX EESF 21.0002X**

Page 2 of 4

Date of issue: 2025-02-21

Issue No: 1

Manufacturer: **Labkotec Oy**  
Myllyhaantie 6  
FI-33960 Pirkkala  
**Finland**

Manufacturing  
locations: **Labkotec Oy**  
Myllyhaantie 6  
FI-33960 Pirkkala  
**Finland**

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 60079-11:2023](#) Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"  
Edition:7.0

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 Report:

[FI/EESF/ExTR21.0001/01](#)

Quality Assessment Report:

[FI/EESF/QAR19.0001/04](#)



# IECEX Certificate of Conformity

Certificate No.: **IECEX EESF 21.0002X**

Page 3 of 4

Date of issue: 2025-02-21

Issue No: 1

## **EQUIPMENT:**

Equipment and systems covered by this Certificate are as follows:

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):

**Ui = 15 V**

**Ii = 100 mA**

**Pi = 550 mW**

**Ci ≤ 4.3 nF**

**Li ≤ 1.8 mH**

The nominal voltage of the probe is  $U_n = 7.5 \text{ V} \dots 15 \text{ V}$

## **SPECIFIC CONDITIONS OF USE: YES as shown below:**

1. The allowed ambient temperature range is  $-30 \text{ °C} \dots +60 \text{ °C}$ .
2. The probe shall be installed according to the manufacturers instructions.



# IECEX Certificate of Conformity

Certificate No.: **IECEX EESF 21.0002X**

Page 4 of 4

Date of issue: 2025-02-21

Issue No: 1

**DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)**

Alternative name "idSET-OTM Sensor" added. Compliance with IEC 60079-11:2023 Ed.7.0 verified.

CB name changed from Eurofins Expert Services Oy to Eurofins Electric & Electronics Finland Oy.