

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 22 ATEX 006X**
4. Product: **Level Controller**  
Certified types: **POP-22 EXI**
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 Expert Services 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. EUFI29-22001062 –T1.
9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
  
**EN IEC 60079-0:2018                      EN 60079-11:2012**
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 (1)G [Ex ia] IIC**

Espoo, 25.03.2022  
**Eurofins Expert Services Oy**

Jenni Hirvelä  
Senior Expert

Kari Koskela  
Senior Expert

This document is digitally signed.

13. **Schedule**

 14. **EU-Type Examination Certificate EESF 22 ATEX 006X**

 15. **Description of Product**

Associated apparatus POP-22 EXI is intended to be installed in to safe area only. The device is intended to be connected to Gas Group IIA, IIB or IIC level sensor in Zone 0. The device is to be connected to single capacitive Labkotec 2W or 3W level sensor, or alternatively to other single 4-20 mA current signal device e.g. pressure transmitter. Two output relays (potential free relay contact outputs 250 V, 5 A, 100 VA) are intended for control devices installed in safe area. The device is normally used to indicate surface level locally at safe area. There is a LCD display and a LED column display for indication. Functions are controlled with push buttons. The additional 4... 20 mA current output from the CPU shall not be connected to any IS circuit. The device is supplied from the mains voltage 230 V AC.

Electrical data:

**Um = 250 V AC<sub>RMS</sub>**

The maximum values of the intrinsically safe output values are:

<b>U<sub>o</sub> = 26,3 V</b>	<b>I<sub>o</sub> = 86 mA</b>	<b>P<sub>o</sub> = 567 mW</b>
-------------------------------	------------------------------	-------------------------------

Maximum external capacitance and inductance values and Lo/Ro ratio according to Gas Groups:

Gas Group	C <sub>o</sub>	L <sub>o</sub>	L <sub>o</sub> /R <sub>o</sub>
IIC	95 nF	4 mH	62.5 μH/Ω
IIB	738 nF	14 mH	251 μH/Ω
IIA	2.508 μF	27 mH	502 μH/Ω

 16. **Report Number**

EUFI29-22001062 –T1

 17. **Specific Conditions of Use**

The allowed ambient temperature range is Tamb -30 °C ... +50 °C.

 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**

Drawings and documents are listed in the confidential report.

 20. **Certificate History**

Issue	Date	Report No.	Change
VTT 14 ATEX 055X	19.9.2014	VTT-S-03798-14	Original release
EESF 22 ATEX 006X	25.03.2022	EUFI29-22001062 –T1	NB name changed from VTT to Eurofins. New certificate template. Alternative mains transformer type introduced. Compliance with EN IEC 60079-0:2018 verified.