

Translation

# EU-Type Examination Certificate Supplement 1

Change to Directive 2014/34/EU

Equipment intended for use in potentially explosive atmospheres  
Directive 2014/34/EU

EU-Type Examination Certificate Number: **BVS 08 ATEX E 121 X**

Product: **Level Measuring System type NivoBob NB 3x00**

Manufacturer: **UWT GmbH**

Address: **Westendstraße 5, 87488 Betzigau, Germany**

This supplementary certificate extends EC-Type Examination Certificate No. BVS 08 ATEX E 121 X to apply to products designed and constructed in accordance with the specification set out in the appendix of the said certificate but having any acceptable variations specified in the appendix to this certificate and the documents referred to therein.

DEKRA Testing and Certification GmbH, Notified Body number 0158, 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 the confidential Report No. BVS PP 08.2192 EU.

The Essential Health and Safety Requirements are assured in consideration of:

**EN IEC 60079-0:2018**  
**EN 60079-31:2014**

**General requirements**  
**Protection by Enclosure "t"**

If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Special Conditions for Use specified in the appendix to this certificate.

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.

The marking of the product shall include the following:

 **II 1/2D Ex ta/tb IIIC T\* Da/Db**

DEKRA Testing and Certification GmbH  
Bochum, 2021-01-19

Signed: Jörg-Timm Kilisch

Managing Director



### 15.3.1.3 Output

Current output	0/4 up to 20 mA; max. load 500 Ω
Relay contacts (up to 4 SPST)	
Maximum contact rating	AC 250 V / max. 2 A; 500 VA
Electronic counting pulse	max. DC 30 V, max. 25 mA
Optocoupler	max. DC 30 V, max. 25 mA
Communication Modbus RTU	
Communication Profibus DP	

### 15.3.2 Thermal data

Maximum surface temperature T at the electronic compartment (EPL Db) with thermo fuse limited to 128 °C

Housing with integrated process connection

Ambient temperature range * without / with heating	Permitted process temperature	Max. surface temperature T (EPL Da)	Max. surface temperature T (EPL Db)
- 20 °C / - 40 °C...+ 60 °C	- 40 °C... + 80 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 90 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 100 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 110 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 120 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 130 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 135 °C	135 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 140 °C	140 °C	130 °C
- 20 °C / - 40 °C...+ 40 °C	- 40 °C... + 150 °C	150 °C	130 °C

Housing including temperature extension

Ambient temperature range * without / with heating	Permitted process temperature	Max. surface temperature T (EPL Da)	Max. surface temperature T (EPL Db)
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 80 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 130 °C	130 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 135 °C	135 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 140 °C	140 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 150 °C	150 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 160 °C	160 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 165 °C	165 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 170 °C	170 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 180 °C	180 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 190 °C	190 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 200 °C	200 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 210 °C	210 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 215 °C	215 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 220 °C	220 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 230 °C	230 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 240 °C	240 °C	130 °C
- 20 °C / - 40 °C...+ 60 °C	- 40 °C...+ 250 °C	250 °C	130 °C

\* depending on the used cable gland the permitted ambient temperature range can be limited.

### 15.3.3 Degree of protection according to EN 60529 IP 66

