

# 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: **Presafe 19 ATEX 06573** **Issue 0**
- [4] Product: **Neuron THS ADR Sensor**
- [5] Manufacturer: **El-watch AS**
- [6] Address: **Rindalsvegen 6  
6657 Rindal  
Norway**
- [7] This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- [8] DNV GL Presafe AS, notified body number 2460, 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 reports listed in section 16.
- [9] Compliance with the Essential Health and Safety Requirements has been assured by compliance with:  
**EN 60079-0:2012/A11:2013 and 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 2 G Ex ib IIC T4 Gb Ta: -40°C to +120°C**

Date of issue:  
2019-10-22



  
Bjørn Spongsveen  
For DNV GL Presafe AS  
The Certificate has been digitally signed.  
See [www.dnvgl.com/digitalsignatures](http://www.dnvgl.com/digitalsignatures) for info

[13]

**Schedule**

[14] **EU-Type Examination Certificate No:**

Presafe 19 ATEX 06573

Issue 0

[15] **Description of Product**

Neuron THS sensor is a monitoring device for the status of the Tyre Health System, vehicles connected and pressure/ temperature for each individual tyre.

The device comprises an encapsulated PCB with sensor and battery button cell. The THS sensors are mounted inside the tyres and on a bracket in the truck.

**Type designation**

THS Sensor

**Electrical Data**

EYE EF 651615T battery 3.6V, 0.05A

**Ambient temperature:**

-40°C to +120°C

**Routine tests**

N/A

[16] **Report No.:** D0003581

[17] **Specific Conditions of Use**

N/A

[18] **Essential Health and Safety Requirements**

Essential Health and Safety Requirements (EHSRs) are covered by the standards listed at item 9

[19] **Drawings and documents**

Number	Title	Rev.	Date
SCH-422253	SCH-422253 THS 049 schematic	049	20.06.2019
BOM-422253	BOM-422253 BOM THS ADR Sensor rev 1	1	05.07.2019
MRK-422253	THS ADR Sensor Marking	1	11.10.2019
ASB-422253	ASB-422253 THS 049 bottom assembly	049	20.06.2019
AST-422253	AST-422253 THS 049 top assembly	049	20.06.2019
INST-422253	Appendix A THS ADR Sensor Installation EN	1.0	-

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2019-10-22	D0003581

END OF CERTIFICATE

