

# 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 20 ATEX 94877** **Issue 0**
- [4] Product: **Wireless Sensor**
- [5] Manufacturer: **Ex-tech System AS**
- [6] Address: **Maskinveien 12  
4033 Stavanger  
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 IEC 60079-0:2018 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 1 G Ex ia IIC T6 Ga Tamb -40°C to +70°C**

 **II 1 D Ex ia IIIC T<sub>200</sub> T135°C Da Tamb -40°C to +70°C**



Date of issue:  
2020-12-14



Asle Kaastad  
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 20 ATEX 94877 Issue 0

[15] **Description of Product**

The equipment is a Wireless Sensor taking measurement samples from the surroundings and wirelessly transmits the readings to a Cloud Connector (Gateway), not a part of this certificate, via SecureDataShot™ technology. The Cloud Connector will relay the reading to a Cloud service. The readings are performed and transmitted at specified heartbeat intervals. The equipment has touch functionality for simple installation and use.

The electronics mounted inside the enclosure is powered by a single battery cell. The battery cannot be replaced. When the battery power has ended the complete unit has to be replaced.

There is no other connections to the equipment, only radio signal communication.

**Type designation**

Type Sensor	Sensor Function
S1	Temperature
S2	Temperature (food safety)
S3	Proximity
S4	Counting Proximity
S5	Touch
S6	Counting Touch
A7	Tactile Touch
S8	Water
S9	Humidity

**Electrical Data**

Battery powered (3,7V – 3,0V)

**Ambient temperature:**

-40°C to +70°C

**Routine tests**

None

[16] **Report No.:** PRJN-194217-2020-PA-NOR

[17] **Specific Conditions of Use**

None

[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
100007	Schematic	1.7.1	4/2/2019
100014	Board Specification	1.7.1	9/29/2020
100007	Bill of Materials	1.7.2	3/20/2020
101859	Humidity Sensor outline	A	2020-10-01
100111-1	Sensor outline	A	2020-10-01
100007	Assembly Drawing	1.7.1	4/2/2019
170008-X-XD-001	Marking	04	04/12/2020
170008-user	User Manual	01	27/11/2020

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2020-12-14	PRJN-194217-2020-PA-NOR

END OF CERTIFICATE

