DNV

[1]

EU-TYPE EXAMINATION CERTIFICATE

[2]   Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014

[3]   EU-Type Examination Certificate Number: **Presafe 17 ATEX 10552X**   **Issue 3**

[4]   Product: **XT50**

[5]   Manufacturer: **Easy-Laser AB**

[6]   Address: **Alfagatan 6**
431 49 Mölndal
Sweden

[7]   This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

[8]   DNV Product Assurance AS, notified body number 2460, in accordance with Article 17 and Article 21 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 item 16.

[9]   Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018, EN 60079-11:2012 and EN 60079-28:2015

Where additional criteria beyond those given here have been used, they are listed at item 18 in the Schedule.

[10]   If the sign "X" is placed after the certificate number, it indicates that the product is subject to the "Specific Conditions of Use" listed under item 17 of this certificate.

[11]   This EU-TYPE EXAMINATION CERTIFICATE relates only to the design and construction of the specified product in accordance to the Directive 2014/34/EU. 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:

⟨Ex⟩   **II 2 G   Ex ib op is IIC T4 Gb Ta: -10°C ≤ Ta ≤ +50°C**

Date of issue:
2022-11-03

NORSK
AKKREDITERING
PROD 021

_____
Asle Kaastad
For DNV Product Assurance AS
The Certificate has been digitally signed.
See www.dnv.com/digitalsignatures for info

This certificate may only be reproduced in its entirety and without any change, schedule included.
DNV Product Assurance AS, Veritasveien 1, 1363 Høvik, Norway, Tel +47 67 57 88 00, www.dnv.com   DMSP-5-PA-ATEX-05-A2, rev 0

Page 1 of 3

[13]   **Schedule**

[14]   **EU-Type Examination Certificate No:**   **Presafe 17 ATEX 10552X**   **Issue 3**

[15]   **Description of Product**

The XT50 is a measuring unit with an Ex-tablet or an Ex-phone that form a shaft alignment system.The measuring unit are connected wireless to a tablet or phone. There is a built-in O-led that shows some of the data.The units are powered by a built in, non-replaceable Lithium-Ion battery.
The laser module has been assessed inherently safe optical radiation. The enclosure of the unit is made of aluminum and ABS/TPE plastic

Type designation
XT50

Electrical Data
Nom Voltage 3.8V, Max open-circuit voltage 4.2V, Lithium-Ion cells

Ambient temperature:
-10°C to +50°C

Routine tests
None

[16]   **Report No**.: 276637

[17]   **Specific Conditions of Use**
1. Only charge battery in safe area.

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

Met by compliance with the requirements mentioned in item 9.

This certificate may only be reproduced in its entirety and without any change, schedule included.

DNV Product Assurance AS, Veritasveien 1, 1363 Høvik, Norway, Tel +47 67 57 88 00, www.dnv.com   DMSP-5-PA-ATEX-05-A2, rev 0

Page 2 of 3

[19] **Drawings and documents**

Documents pack 'Document pack XT50 20210325', 10-0688 Dokumentöversikt XT550 Rev 1.0, date 2022-10-07.

Number	Title	Rev.	Date
12-0779	Circuitboard dokuments	V0150	2017-06-20
12-0979	Circuitboard dokuments	V0112	2022-10-07
12-0984	Circuitboard dokuments	V0113	2017-06-14
10-0744	PCB specifikation	C	2017-10-11
10-0777	PCB specifikation	C	2017-10-11
10-0778	PCB specifikation	C	2017-10-11
10-0812	PCB Mouldning instructions	C	2020-08-25
12-1032	Plastic housing	B	2017-09-26
12-1033	Plastic housing	B	2017-09-26
12-1034	Plastic cover	B	2017-09-26
12-1035	Plastic cover	B	2017-09-26
04-0268	Backside label	B	2017-10-27
04-0271	Serial no label	B	2019-11-13
01-1984	Aluminium Back cover	C	2017-08-23
12-1006	Laddkontakt med kablar	E	2021-01-20
03-1422	Gjutmassa (TIA208R_en).pdf	A	2022-10-07
10-0688	Descriptive documents - Easy-Laser® XT50	1.0	2022-10-07
10-1230	XT50 battery specification	1.0	2022-10-25

[20] **Certificate History**

Issue	Description	Issue date	Report no.
0	Original issue	2017-12-12	D0002236
1	Update the document to 12-0979 Circuitboard dokuments V0111, R8 change to 0R RES0603 Thick film 1% 0.1W. Instruktion ingjutning av kretskort till XT50 update to Revision B	2018-04-20	D0002236
2	Update the encapsulation and battery charging DC-plug.	2021-04-23	208496
3	New alternative battery E-One Moli ICP103450CA. Change new OLED display. Add alternative OP-AMP U1 and U2 in board 10-0979 V0112. Change the document system number and revision.	2022-11-03	276637

END OF CERTIFICATE

This certificate may only be reproduced in its entirety and without any change, schedule included.

DNV Product Assurance AS, Veritasveien 1, 1363 Høvik, Norway, Tel +47 67 57 88 00, www.dnv.com   DMSP-5-PA-ATEX-05-A2, rev 0

Page 3 of 3