IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
IEC Certification System for Explosive Atmospheres

for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx PRE 17.0049X**

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Certificate history:

Status: **Current**

Issue No: 6

Issue 5 (2023-09-06)
Issue 4 (2023-04-05)
Issue 3 (2022-11-03)
Issue 2 (2021-04-23)
Issue 1 (2018-04-20)
Issue 0 (2017-12-20)

Date of Issue: 2024-03-08

Applicant: **Easy-Laser AB**
Alfagatan 6
431 49 Mölndal
Sweden

Equipment: **XT50**

Optional accessory:

Type of Protection: **ib op is**

Marking: Ex ib op is IIC T4 Gb -10°C ≤ Ta ≤ +50°C

Ex ib op is IIIC T135°C Db

Approved for issue on behalf of the IECEx Certification Body: **Asle Kaastad**

Position: **Certification Manager**

Signature:
(for printed version)

Date:
(for printed version)

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by:

DNV Product Assurance AS
Veritasveien 1
1363 Høvik
Norway

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Date of issue: 2024-03-08 Issue No: 6

Manufacturer: **Easy-Laser AB**
Alfagatan 6
431 49 Mölndal
Sweden

Manufacturing locations:

This certificate is issued as verification that a sample(s), representative of production, was assessed and tested and found to comply with the IEC Standard list below and that the manufacturer's quality system, relating to the Ex products covered by this certificate, was assessed and found to comply with the IECEx Quality system requirements.This certificate is granted subject to the conditions as set out in IECEx Scheme Rules, IECEx 02 and Operational Documents as amended

STANDARDS :
The equipment and any acceptable variations to it specified in the schedule of this certificate and the identified documents, was found to comply with the following standards

IEC 60079-0:2017 Explosive atmospheres - Part 0: Equipment - General requirements
Edition:7.0

IEC 60079-11:2011 Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"
Edition:6.0

IEC 60079-28:2015 Explosive atmospheres - Part 28: Protection of equipment and transmission systems using optical radiation
Edition:2

This Certificate **does not** indicate compliance with safety and performance requirements other than those expressly included in the Standards listed above.

TEST & ASSESSMENT REPORTS:
A sample(s) of the equipment listed has successfully met the examination and test requirements as recorded in:

Test Report:

NO/PRE/ExTR17.0008/06

Quality Assessment Report:

NO/NEM/QAR06.0004/12

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EQUIPMENT:
Equipment and systems covered by this Certificate are as follows:

The measuring units XT50M and XT50S is used together 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

SPECIFIC CONDITIONS OF USE: YES as shown below:

1. Only charge battery in safe area.

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DETAILS OF CERTIFICATE CHANGES (for issues 1 and above)
Revised marking label and inserted notified body number and IIIC EPL Db.

Renamed document to “10-0688 Schedule documents - Easy-Laser XT50”.

Corrected typing error in the original report NO/PRE/ExTR17.0008/00

PCB 12-0979, PCB 12-0779 has added some alternative non-safety components which do not affecting the safety parts.

Component U17 (3D digital accelerometer and a 3D digital gyroscope) on PCB 12-0779 becomes "end-of-life". Therefore added an alternative same to this component in the BOM for 12-0779. Current U17: LSM6DS3. New U17 (OPTION): LSM6DS3TR-C

Printed circuits boards layouts are checked by inspection for 12-0779_V0160 and 12-0979_V0120 to verify that no safety distances have changed below the requirements in Table 5 and § 8.8 printed circuit board tracks, and safe connections.

Instructions have been upgraded.