



SAFETY INSTRUCTIONS Fixturlaser EXO



Fixturlaser

ACOEM Group

DECLARATION OF CONFORMITY

In accordance with
2014/35/EU Low Voltage Directive
2014/53/EU Radio Equipment Directive
2012/19/EC Waste electrical and electronic equipment (WEEE)
2011/65/EU Restriction of the use of certain hazardous substances (RoHS)
2006/66/EU Battery Directive
2001/95/EC CE marking directive

Type of equipment

Alignment System

Brand name or trade mark

FIXTURLASER EXO

Type designation(s)/Model no(s)

I-1041 FIXTURLASER EXO (system)

I-1043 FIXTURLASER M4 Ex

I-1044 FIXTURLASER S4 Ex

Manufacturer's name, address, telephone & fax no

ACOEM AB

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The following standards and/or technical specifications, which comply with good engineering practice in safety matters in force within the EEA, have been applied:

Standard/Test report/Technical construction file/Normative document

EN 61000-6-3:2007.

EN 61000-6-2:2005, EN 61000-4-2, -3, -4, -5, -6, -11.

EN 61010-1:2010

EN 60079-0:2018, EN 60079-0/All:2013, EN-60079-11:2012, EN-60079-28:2015.

ISO9001:2008 Ref. No/ Issued by: DNV Certification AB Certification No. 2009-SKM-AQ-2704/2009-SKM-AE-1419.

The laser is classified in accordance with the International Standard IEC-60825-1:2014, USA FDA Standard 21 CFR, Ch 1, Part 1040.10 and 1040.11 except for deviations pursuant to laser notice No. 50, dated June 24, 2007.

The wireless device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions;

(1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

Additional information

The product was CE-marked in 2019.

As manufacturer, we declare under our sole responsibility that the equipment follows the provisions of the Directives stated above.

Date and place of issue

Möln dal 2019-04-15

Signature of authorized person

A handwritten signature in black ink, appearing to read 'Hans Svensson', written in a cursive style.

Hans Svensson, Managing Director

SAFETY

Retain and follow all product safety and operating instructions. Observe all warnings on the product and in the operating instructions.

Failure to observe the safety pre-cautions and operating instructions can cause bodily injury, fire, and damage to the equipment.

Do not disassemble, modify or use the equipment in other ways than explained in the operating instructions. ACOEM AB will not accept any liability for such use.



WARNING!

Do not mount equipment on running machines and take all appropriate measures to prevent unintentional start-up of machines. Make sure to fully comply with all appropriate shut down procedures, safety measures and regulations at worksite and local regulations regarding safety in a machine environment.

SAFETY IN HAZARDOUS AREAS

FIXTURLASER EXO is certified for Zone 2 hazardous areas, Ex ic op is IIC T4 Gc.



II 3G

Ex ic op is IIC T4 Gc

Presafe I9 ATEX I4080

IECEX PRE I9.0008

$0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$

Use the system only in hazardous areas for which it has been certified.

Only educated personnel, who have read the safety instructions and the user manual, are allowed to use the system.



The USB port cap on the sensors must be closed in hazardous areas.

Only use a tablet certified for minimum Zone 2 hazardous areas. All port caps on the tablet must be closed in hazardous areas.



The carrying case is Ex certified and can be brought into hazardous areas, but opening

the closed Ex safety lid and use equipment in there is not allowed.



WARNING!

Do not charge the system in hazardous areas.

Place the equipment protected in its places in the case when not used.

Do not expose the equipment to rough handling or heavy impacts.

Do not expose the equipment to high humidity or direct contact with water.

Check the condition of the system upon each use.

If the system has been damaged or if it has functional problems, it cannot be used in hazardous areas and must be sent to ACOEM AB for repair.

Opening the housing of the sensors will invalidate the Ex rating.

Calibrate the sensors regularly. Calibration must be performed by a FIXTURLASER service center.

All repair and service work must be taken care of by ACOEM AB.

Identification



Sensors and V-brackets

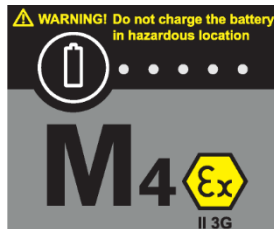


I-1043 Fixturlaser M4 Ex, front



I-1043 Fixturlaser M4 Ex, back

AVOID EXPOSURE
LASER RADIATION
IS EMITTED FROM
THIS APERTURE

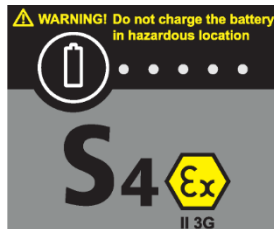


I-1043 Fixturlaser M4 Ex, warning labels



I-1044 Fixturlaser S4 Ex, front

AVOID EXPOSURE
LASER RADIATION
IS EMITTED FROM
THIS APERTURE



I-1044 Fixturlaser S4 Ex, back

Presafe 19 ATEX 14080
IECEX PRE 19.0008
Ex ic op is IIC T4 Gc
0°C ≤ T_a ≤ 50°C

CAUTION 
LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
SS-EN-60825-1:2014
MAX OUTPUT: 1 mW
WAVELENGTH: 630-680 nm

MADE 2019
ART.NO. (S) 1-1044
SER.NO. NNNNN
IP65

COMPLIES WITH 21 CFR 1040.10 AND 1040.11
EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE No. SA, DATED JUNE 24, 2007
This device contains FCC ID: PVH0946 IC: 5325A-0946

Opening is prohibited

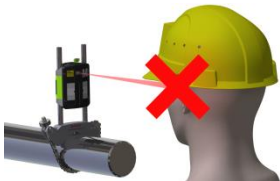
I-1044 Fixturlaser S4 Ex, warning labels

LASER PRECAUTIONS

The FIXTURLASER EXO sensors uses laser diodes with a power output of < 1.0 mW. The laser classification is Class 2.

Class 2 is considered safe for its intended use with only minor precautions required. These are:

- Never stare directly into the laser transmitter.
- Never shine the laser directly into anyone else's eyes.



COMPLIES WITH 21 CFR 1040.10 AND 1040.11
EXCEPT FOR DEVIATIONS PURSUANT TO
LASER NOTICE No. 50, DATED JUNE 24, 2007



CAUTION!

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

POWER SUPPLY

The FIXTURLASER EXO sensors (S4 Ex and M4 Ex) are powered by high-capacity rechargeable Li-Ion batteries mounted in the units or by the external power unit.



WARNING!

The sensors has to be turned off when charging.

Only use the external power adapter supplied by FIXTURLASER for use with the sensors. Using other power adapters can cause damage to the units and personal injury.

Do not expose the power adapter to rain or wet conditions.

Always unplug the charger from the electrical outlet after charging.

Leaving a measurement unit with an empty battery for a prolonged time can reduce the capacity of the battery or even damage the battery.

If the measurement units are not used for a long time, charge the batteries to approximately 50-75% before storing the measurement units, if kept in storage repeat this every 3-4 month (if needed).

When used in typical conditions the battery will sustain good capacity for approximately 2-3 years before needing replacement. Contact your sales representative for battery replacement.

The batteries contain safety circuitry to operate safely with the units. The units can therefore only be used with the Li-Ion batteries supplied by FIXTURLASER.

Improper replacement of batteries can cause damage and risk for personal injury.



WARNING!

BATTERY REPLACEMENT SHALL ONLY BE PERFORMED BY AUTHORIZED FIXTURLASER REPRESENTATIVES.

USE OF ANY OTHER BATTERIES THAN THOSE SUPPLIED BY FIXTURLASER WILL CAUSE SEVERE DAMAGE TO THE UNITS AND CAN CAUSE RISK FOR PERSONAL INJURY!

WIRELESS TRANSCEIVER

The FIXTURLASER EXO system is fitted with Bluetooth wireless transceivers.

Make sure that there are no restrictions on the use of radio transceivers at the site of operation before using the wireless transceivers.



WARNING!

Before using the wireless transceivers make sure that there are no restrictions on the use of radio transceivers at the site. Do not use on aircraft.



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