EASY-LASER®

XT550
QUICK MANUAL

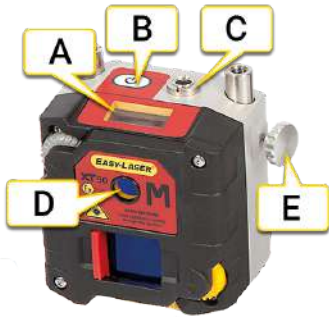Download the XT Alignment App

Download on the App Store

GET IT ON Google Play

RUN IT ON EASY-LASER® XT11

The app is preinstalled on XT11

IECEx

Ex

IP66
IP67

Start XT50

Press (⏻) to start the measuring units.

A	Info display.
B	On/Off button.
C	Connection for charging cable.
D	Laser aperture.
E	Locking knob.

Info display

Shows angle and battery status.

v.1.0	Version number.
0.4° 90	The battery power is shown in percentage.
⚠ 0.4°	Battery is low, please charge.
0.4° ?	No battery information available. Charge until the battery icon shows 100.
⊗ ?	Restart the unit, if it does not help, please contact your service center.
⊗ E134	System failure. Note the error code and your contact service center. Turn off the unit, do not charge.

Charge XT50

Charge the measuring units by plugging in the power adapter intended for the measuring units. To fully charge the battery takes approx. 2 hours.

Note!

Never charge the unit in intrinsic safety zone and only use the included Easy-Laser charger.

ECOM Tab-Ex® Display unit

Based on Samsung GALAXY Tab Active, ecom´s hazardous area tablet, is certified for use in Zone 1/ 21 & DIV 1 hazardous areas.

System XT550 comes in two configurations; with or without the ecom display.

(For more information regarding this tablet, see the ecom Tab-Ex® manual)

Start a program

Tap the icon to start a program.

Tap 🏠 to return to the start screen at any time during the measurement.

A workflow will guide you through the measurement (example from Horizontal):

The measurement is saved automatically through the entire work flow.

When you are done, select ☰ and ✔ to **finalize** the measurement and add the file to the File manager.

Select measuring units

The measuring units will automatically be connected when you start a program. If you want to use other units, tap a target to display the detector list.

User manual for XT Alignment app

Once you have started the app, you can tap ❓ to open the User Manual. Many of the detailed images are possible to make bigger, simply tap them!
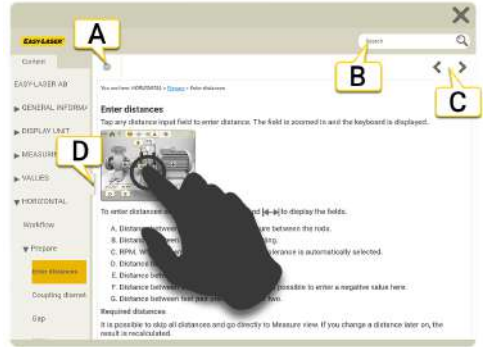
Tap the image to make it bigger!

A	Change language in the User Manual.
B	Search the User Manual.
C	Next/previous topic.
D	Hide the table of content.

Printed manual

A printable version of the manual is delivered on the USB memory stick as a pdf. The manuals are available in several languages.

Complete system contains

Easy-Laser® XT550 Shaft system (12-1031) includes:	
1	Measuring unit XT50-M
1	Measuring unit XT50-S
2	Shaft brackets with chains and rods
4	Rods 60 mm [2.36"]
2	Rods 120 mm [4.72"]
2	Extension chains 900 mm [35.4"]
1	Measuring tape 3 m [9.8']
1	Rod tool
1	Charger (100–240 V AC)
1	DC split cable for charging. Length 1 m [39.4"]
1	Quick reference manual
1	Cleaning cloth for optics
1	USB memory with manuals
1	Carrying case Ex/ATEX (with conductive plastic and foam)
System 12-1097 also includes:	
1	Display unit ecom Tab-Ex®

Display unit ecom Tab-Ex®

(For full technical specification, see www.ecom-ex.com)

Type of display/size	TFT 8" colour screen
Operating system	Android™ 5.1.1
Operating time	Up to 11 h continuously
Communication	Bluetooth® LE4.0 Wireless technology, WiFi
Camera	3 Mp with flash (rear), 1.3 Mp (front)
Operating temperature	-20 to +50 °C
Dimensions	WxHxD: 162x256x33 mm [6.4x10.1x1.3"]
Weight	1250 g [2.75 lbs]
Ex classification	⟨Ex⟩ II 2 GD Ex db ia op is IIC T5 Gb, -20°C ≤ Ta ≤ +50°C
Ex certificate number	Sira 15 ATEX 1205X, IECEx SIR 15.0075X

Technical specifications XT50-M / XT50-S

Type of detector	1 axis TruePSD 20x20 mm [0.79x0.79"]
Communication	Wireless technology
Battery type	Heavy duty Li Ion chargeable
Operating time	Up to 20 h continuously
Resolution	0.001 mm [0.05 mils]
Measuring errors	<1%
Measurement range	Up to 20 m [66 feet]
Type of laser	Diode laser
Laser wavelength	635–680 nm
Laser class	Safety class 2
Laser output	<1 mW
Electronic inclinometer	0.1° resolution
Environmental protection	IP class 66 and 67
Operating temperature	-10 to +50 °C
Storage temperature	-20 to +50 °C
Relative humidity	10–95%
OLED display	128x64 pixels
Housing material	Anodized aluminium + PC/ABS + TPE
Dimensions	WxHxD: 76x76.5x50.9 mm [3.0x3.0x2.0"]
Weight	316 g [11.1 oz]
Ex classification	⟨Ex⟩ II 2 G Ex ib op is IIC T4 Gb, -10°C ≤ Ta ≤ +50°C
Ex certificate number	Presafe 17 ATEX 10552X, IECEx PRE 17.0049X

Brackets etc.

Type	V-bracket for chain, width 18 mm [0.7"].
Shaft diameters	20–150 mm [0.8–6.0"] With extension chain, diameters up to 450 mm [17.7"]
Bracket material	Anodised aluminium
Chain material	Stainless steel
Rod length	120 mm, 60 mm [4.72", 2.36"] (extendable)
Rod material	Stainless steel
Chain	Stainless steel

Declaration of conformity

Product: Easy-Laser® XT550

Easy-Laser AB declares that Easy-Laser® XT550 is manufactured in conformity with national and international regulations.

The system has been tested and complies with following standards and requirements:

EMC directive: 2014/30/EU

Low voltage directive: 2014/35/EU

Atex directive: 2014/34/EU

Rohs directive: 2011/65/EU

Weee directive: 2012/19/EU

Easy-Laser® XT550 complies with the harmonized standards:

ISO9001:2015

EN 60079-0:2012

EN 60079-11:2012

EN 60079-28:2015

EN 60825-1:2014

USA: CFR 1040.10/11

Ex classification:

⟨Ex⟩ II 2 G Ex ib op is IIC T4 Gb

Ambient temperature: -10° ≤ Ta ≤ +50°C

Ex certificate: Presafe 17 ATEX 10552X, IECEx PRE 17.0049X

Safety precautions / Warning!

- Always read and follow operation instructions.
- Never charge the unit in intrinsic safety zone.
- Opening the housing of the units will invalidate the Ex-rating, voids warranty and may result in hazardous light exposure.
- All repairs must be done by Easy-Laser main service center.
- Only use the included Easy-Laser charger.

Laser warning

Easy-Laser® is a laser instrument in laser class 2 with an output power normally less than 0.9 mW, which requires the following safety precautions:

- Never stare directly into the laser beam.
- Never aim the laser beam at anyone else's eyes.

Always read the safety instructions in the main manual before using the measurement system.

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Service and calibration

Our Service centers will quickly assist you if your measurement system need to be repaired or when it is time for calibration.

Our main Service center is located in Sweden. There are several local Service centers that are certified to carry out limited service and repair. Contact your local Service center first before sending your equipment for service or repair. All Service centers are listed on our web site under Service and Calibration.

Before sending your measuring system to our main Service center, please fill in the online Service and Repair report.

Disposal of old electrical and electronic equipment

(Applicable throughout the European Union and other European countries with separate collection programs). This symbol, found on product or on its packing, indicates that this product should not be treated as household waste when disposed of. It should be handed over to an applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed correctly, you will help to prevent potential negative consequences to the environment and human health. For more detailed information about the recycling of this product, please contact your local city office, household waste disposal service or the retail store where you purchased this product.