

EASY-LASER®

www.easylaser.com

XT770

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RUN IT ON
EASY-LASER XT11



Know your machine from every angle.

Shaft Alignment

XT770



IP66
IP67

MEASUREMENT INDEPENDENCE

EASY-LASER® GENERATION XT

Easy-Laser® XT770 is the most powerful amongst our Generation XT shaft alignment systems. Built upon our ground-breaking cross-platform technology, it is giving you the freedom to work with the display unit that suits you and the job best. Simply download our straightforward XT application for free and you have all the measurement programs you need.

NO LOCK-INS

With Generation XT you decide if you want the rugged and user-friendly Easy-Laser® XT11 display unit to be included or not. The app also runs on your iOS® or Android® device*, be it a tablet or a phone, meaning you are never locked in to a specific way of working.

NO LICENSE HASSLE

Your Generation XT measuring units determine what functions are available. No hassle with licenses, just connect the units to the app, on any of your display devices, and start measuring. That is straightforward!

SAME INTERFACE

Purchase multiple systems with various capabilities, train once! The training costs are minimized significantly since the app interface and basic functionality is identical for all XT systems; XT440, XT550 Ex, XT660, XT770, XT290, XT280, XT190.

MAXIMUM FLEXIBILITY!

The XT Alignment app runs on iOS and Android devices, as well as on the Easy-Laser® XT11 display unit. The choice is yours.*



Download on the
App Store



GET IT ON
Google Play



RUN IT ON
EASY-LASER

XT11

**Conditions apply*

HIGHLIGHTS

MAXIMUM FLEXIBILITY



ALL XT PROGRAMS IN ONE FREE APP

All XT measurement programs included in one straightforward application available for free.



DISPLAY DATA ON MULTIPLE PLATFORMS

Functionality for iOS, Android and Easy-Laser® XT display units.



NO LOCK-INS

Buy with or without the user-friendly Easy-Laser® XT11 display unit.



MAXIMUM FLEXIBILITY

Combine several measuring units with the display unit of your choice, or use different display units with one set of measuring units. No license hassle!



RUGGED DESIGN

The XT products are rugged, rated both IP66 and IP67 water and dust proof. For superior durability in harsh environments.



LONG OPERATING TIMES

The long operating times of up to 16 hours for the display unit and 24 hours for the measuring units mean even the toughest jobs will be finished on time with no interruptions.



SEND THE REPORTS

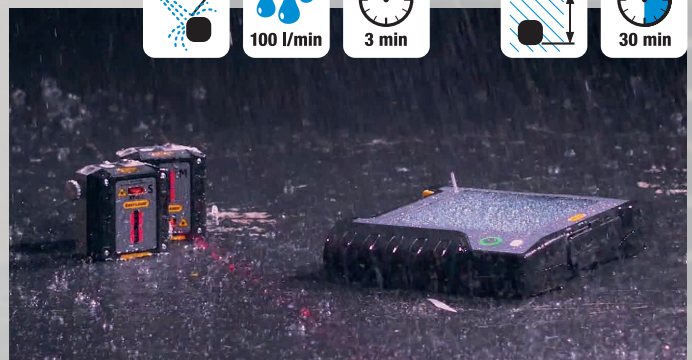
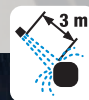
Share the reports via email. Possible on all platforms.

RUGGED DESIGN



IP66 AND IP67 APPROVED

Easy-Laser® XT measuring units and display unit are waterproof, dustproof and shockproof. The units have been tested and approved to an Ingress Protection rating of IP66 and IP67, which means that they are dustproof and waterproof to a depth of 1 metre, and also protected against powerful water jets.



(Note: Photo shows XT60 measuring unit.)

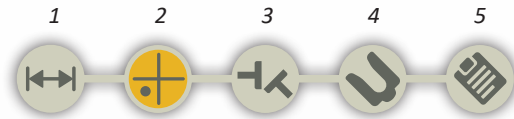
(Note: Photo shows XT40 measuring units.)

THIS IS EASY ALIGNMENT

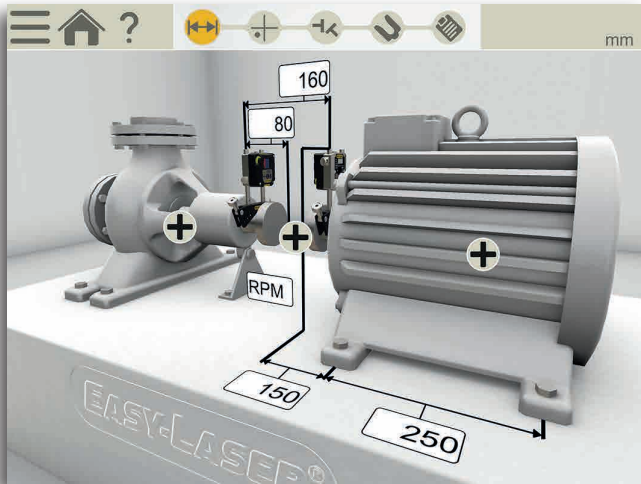
HORIZONTAL PROGRAM



The user interface is intuitive and guides you through the measurement process. It is animated and zooms in to the relevant element for each step. You can save the measurements of a machine for *As found* and *As left* in the same file.



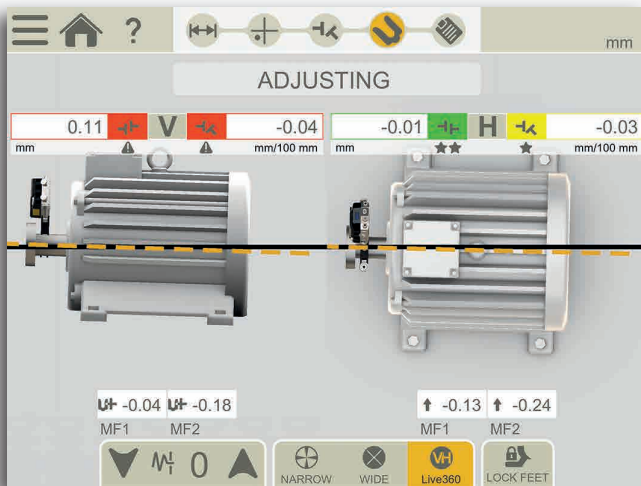
The interactive workflow indicator lets you easily jump to any part in the measurement process.



1. Enter dimensions



2. Measure (Five methods available, explained to the right)

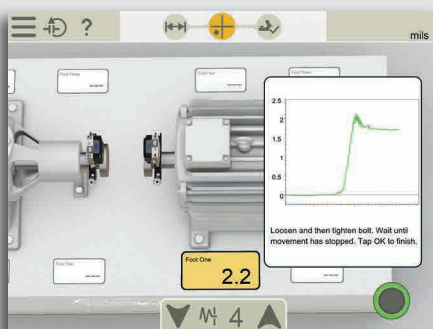


3. View result, As found

4. Adjust



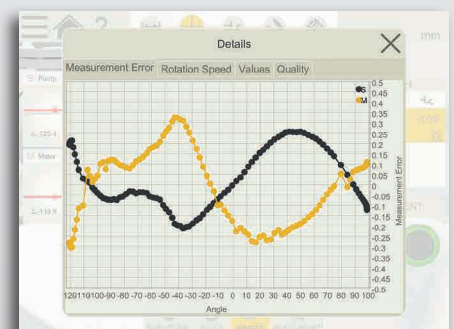
5. View report as it will look



Soft Foot check on both machines



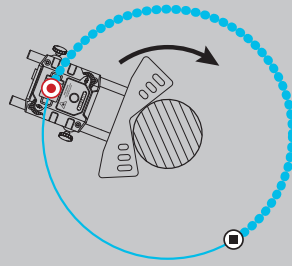
Tolerance check (pre-set or custom)



Quality check view for measurements

MEASUREMENT METHODS

● *Measuring points*



CONTINUOUS SWEEP

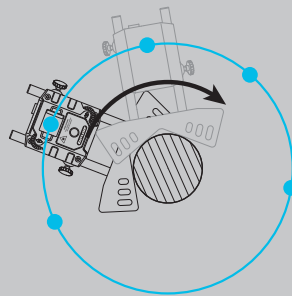
Automatic recording of measurement values during continuous sweeping of the shaft. Hundreds of points are registered. You can start anywhere on the turn. Quality check of measurement is provided (see example down left).



Start recording

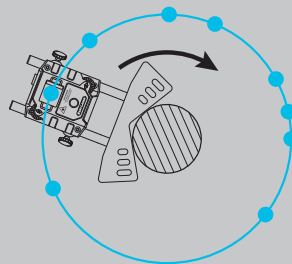


Stop recording



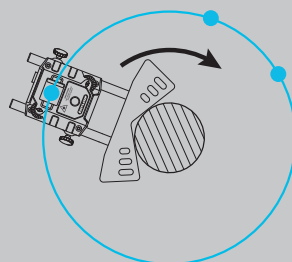
UNCOUPLED SWEEP

Rotate one shaft/unit at a time to pass with the beam over the other (stationary). Repeat alternately until enough measurement points are recorded. You can start and stop anywhere on the turn.



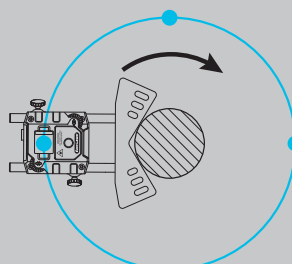
MULTI POINT

Multi point is basically the same as EasyTurn™, but instead you can record multiple points on the sector rotated. This will provide an optimized calculation basis. Perfect for e.g. turbine and sliding bearing applications.



EASYTURN

The EasyTurn™ function allows you to begin the measurement process from anywhere on the turn. You can turn the shaft to any three positions with as little as 20° between each position to register the measurement values. An easier-to-use version of the three-point method (see 9–12–3).



9–12–3

Measurement points are recorded at fixed points 9, 12 and 3 o'clock. This is the classic three-point method which can be used in most cases.

SMART FUNCTIONS



THERMAL GROWTH

Automatically compensate for thermal expansion of the machines.



SWAP VIEW

Understand adjustment directions more intuitively.



CONTINUE SESSION

Your latest measurement is always available, automatically saved.



TEMPLATES

Save measurement files as templates, with machine data and settings, to quickly start measurements.



MEASUREMENT VALUE FILTER

Improve readings when measuring conditions are poor.



MULTIPLE SETS OF FEET

Align machines with more than two pairs of feet.



LOCKED FEET

Lock any pair of feet on the machine. Used when aligning base-bound or bolt-bound machines.



WIDE LIVE ADJUSTMENT

Adjust with live values using expanded sensor position ranges in the H and V position



360° LIVE ADJUSTMENT

Adjust both vertically and horizontally at the same time with measuring units in any position.



SELECT COUPLING TYPE

Choose method depending on coupling type: short flex, spacer shaft.



SELECT MACHINE IMAGE

Choose from different 3D machines to portray your machinery on either side of coupling.



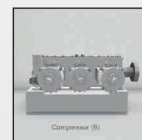
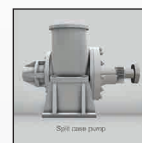
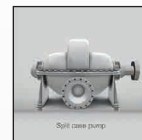
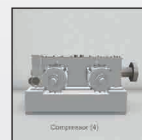
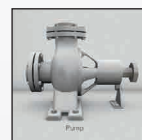
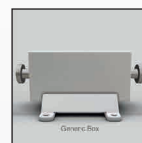
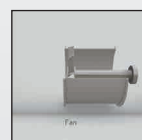
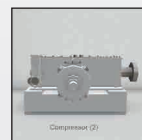
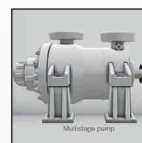
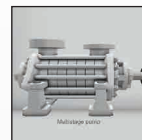
ADJUSTMENT GUIDE

The adjustment guide helps you decide optimum adjustment by simulating shimming and move. For programs Horizontal and Machine train.

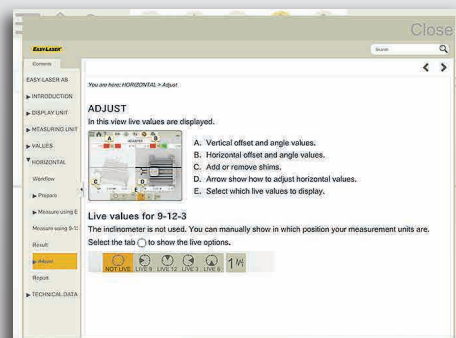


BUILT-IN HELP

The app includes a searchable *Users Manual* which opens the relevant chapter depending where in the process you are. This makes it quick and easy to find the answer to your user questions.



Customize your machine set up in Machine Train and Horizontal programs with corresponding 3D machine icons.



DOCUMENTATION

SAVE!



INTERNAL MEMORY

Save your measurement files, photos and reports to the internal memory.



VERSATILE FILE TYPES

Both a PDF and an Excel file are generated.



READ QR AND BAR CODES

Assign a specific code to a specific machine, then use the built-in camera of your device to open assigned file and settings.

(Note: camera resolution requirements applicable.)

SHOW!



PDF REPORT TEMPLATES

Use one of the two formats included.



ADD NOTES

Explain it a little more.



SIGN REPORTS ELECTRONICALLY

Sign-on screen to verify your job. Signature is saved with the PDF file.



ADD PHOTO

Show what you mean.



ADD THERMAL IMAGE

See the difference after alignment.

(Available only with XT11)

SHARE!



SEND THE REPORTS

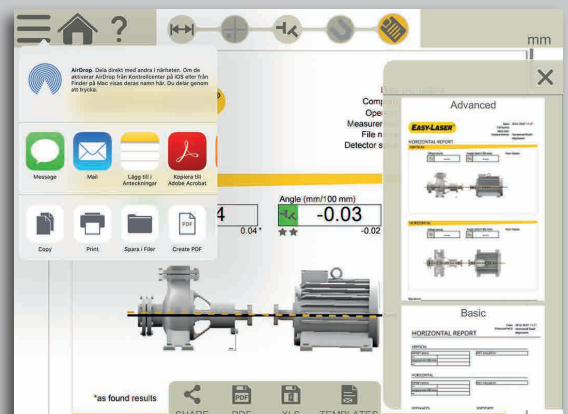
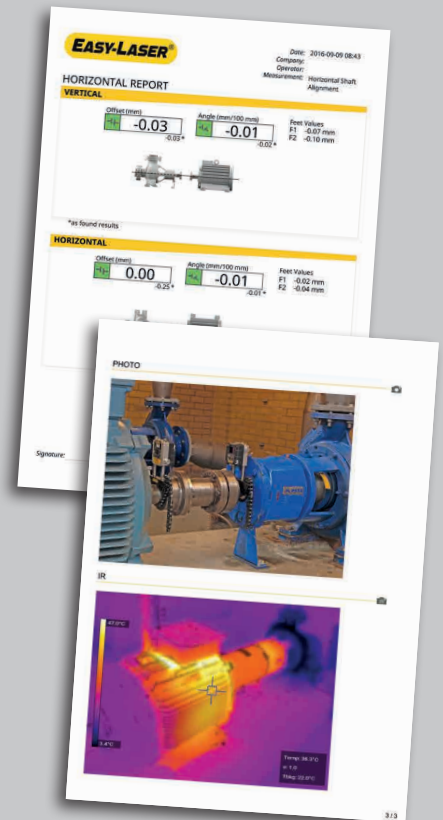
Share the reports via email. Possible on all platforms.



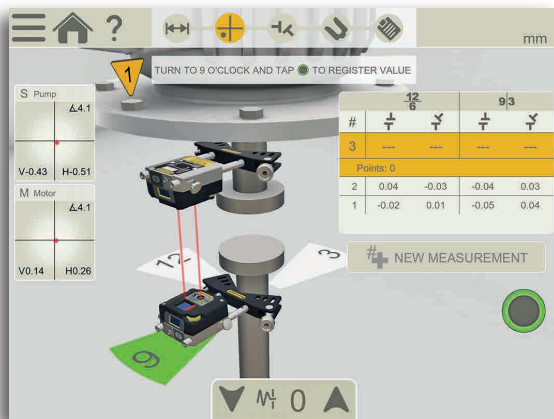
SAVE TO USB

Save your files to USB stick and copy to other devices.

| TYPE | NAME | DATE | Edit |
|------------------|------------------------------|------------|------|
| + | Shaft_2018-02-14 14_21_05 | 2018-02-14 | |
| V 0.00 H 0.00 | Values_2018-04-10 | 2018-04-10 | |
| IMG | IMG_20180410_142801 | 2018-04-10 | |
| + | Shaft Alignment Water pump 3 | 2018-04-10 | |
| + | Vertical motor ABB | 2018-04-14 | |



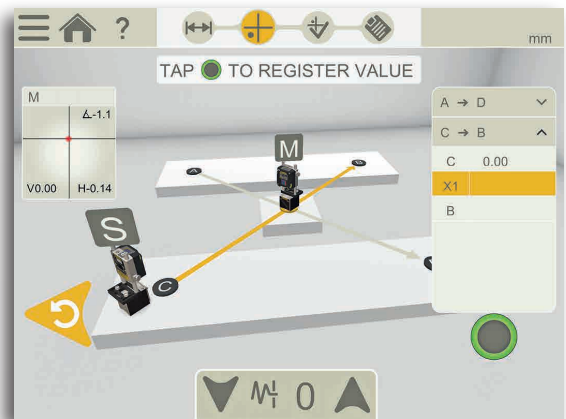
MORE POSSIBILITIES



VERTICAL/FLANGE MOUNTED MACHINES



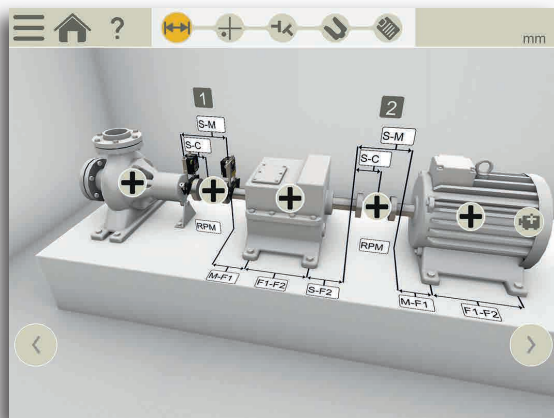
For measurement and alignment of vertically and flange mounted machines. Handles machines with 4, 6, 8 and 10 bolts.



TWIST MEASUREMENT OF MACHINE BASE



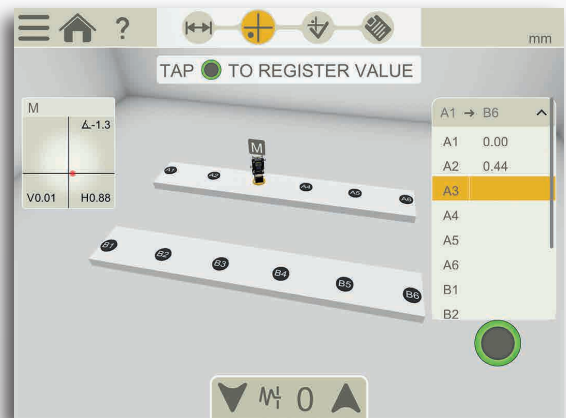
The twist measurement program allows you to check the flatness or twist of the machine foundation using only the measuring units in the system.



MACHINE TRAIN



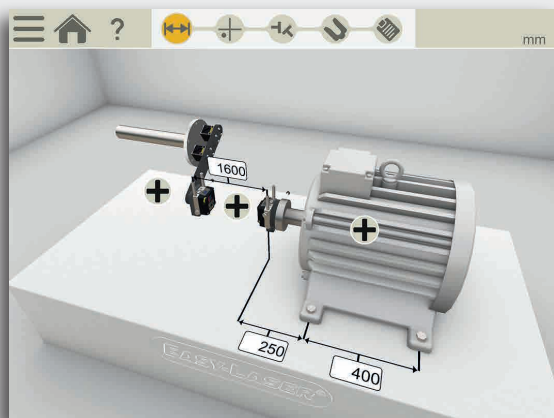
Build your own machine train without limits. You can pick the reference machine manually, or let the program choose one that will minimize the need for adjustments.



BASIC FLATNESS



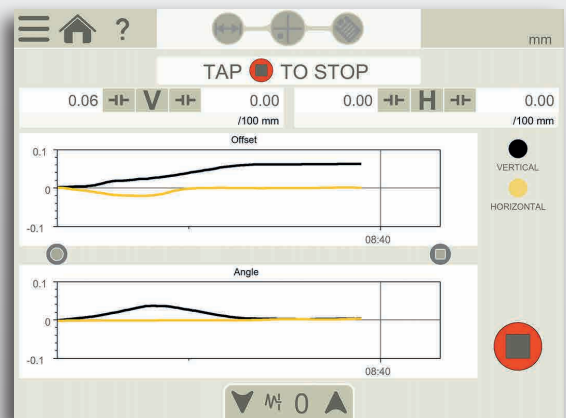
With this program you can check the flatness of foundations and frames, using two rows of points, 2 to 8 points per row. Separate laser transmitter required. (Requires Geo Kit).



CARDAN/OFFSET MOUNTED MACHINES



For alignment of cardan/offset mounted machinery. (Requires additional Cardan bracket Kit.)

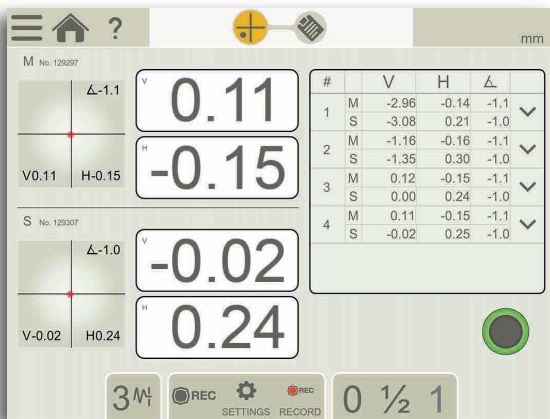


EASYTREND



With EasyTrend you can keep track of machine movement over time. For example, you can check for thermal expansion and pipe strain issues. (Requires additional DM-brackets.)

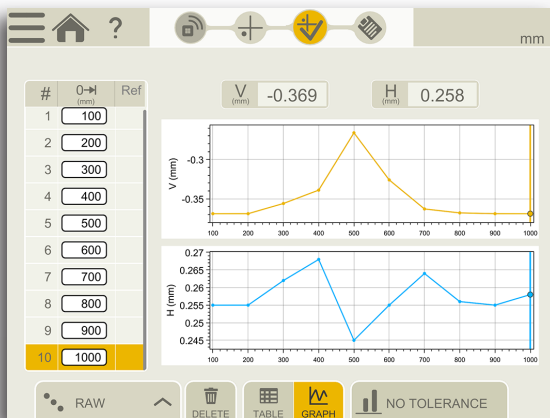
VERSATILITY



VALUES – DIGITAL DIAL INDICATOR

V 0.00
H 0.00

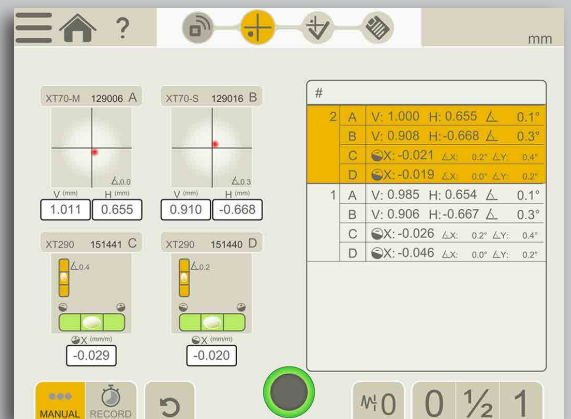
With the Values program you measure as with dial gauges, but with laser precision and the possibility to document the measurement result.



STRAIGHTNESS

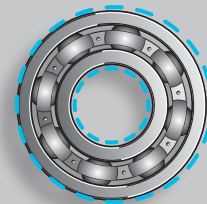


With our program for measuring straightness, you can easily measure long shafts, rolls, bearing journals, bases, overhead rails, machine structures etc. You will be able to get the result for both the horizontal and vertical alignment, graphically as well as digitally. The program automatically calculates different Best-fit results. (Requires Geo Kit).



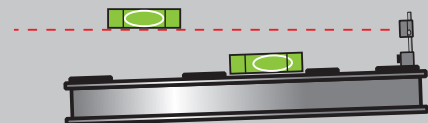
COMBINED DISPLAY

The Values interface can show up to four units at the same time. It can be both measuring units and digital levels, for example. Automatic recording possible (set the interval and duration). You can make individual notes for each measurement point.



CHECK FOR PLAY AND MOVEMENTS

Mount the M and S units on suitable places, then push/pull the object and check actual machine component play and movements, for example shaft radial play. Laser transmitter XT20 can also be used.



GEOMETRICAL MEASUREMENTS

Actually, the program can be used for most geometrical measurements (with suitable units and brackets). Perfect for the complete machine installation phase. For example, with the XT20 laser transmitter you can use the program to level machine foundations, align several objects co-planar etc.



DYNAMIC MEASUREMENT

Use Values to determine that foundations are rigid enough for the forces applied during running conditions. For measurements where the EasyTrend program is not suitable, or where a laser transmitter should be used instead.

MEASURING UNITS

XT70-M/S MEASURING UNITS

The XT70 measuring units utilize dot-type laser and 2-axis square PSD surfaces. A state-of-the-art OLED display (D) shows the angle of the unit, making it easier to position it on the shaft.

The diagonally positioned locking knobs securely lock the unit on the rods. Rigid aluminium housing provide maximum stability. IP66 and 67, dust- water- and shockproof. Heavy-duty battery for very long operating times; up to 24 hours. Built-in wireless technology.

SHAFT BRACKET

The V-bracket is light yet rigid, with two rods for maximum stability in all directions. Pre-mounted chain for quick setup on the machine.



- A. PSD aperture
- B. Laser aperture
- C. Laser angle adjustment
- D. OLED display: battery status/unit angle
- E. Chain tightening knob

- F. Charger connector
- G. Extendable stainless steel rods
- H. Locking knob
- I. Slidable target/dust cover

DOT-TYPE LASER TECHNOLOGY



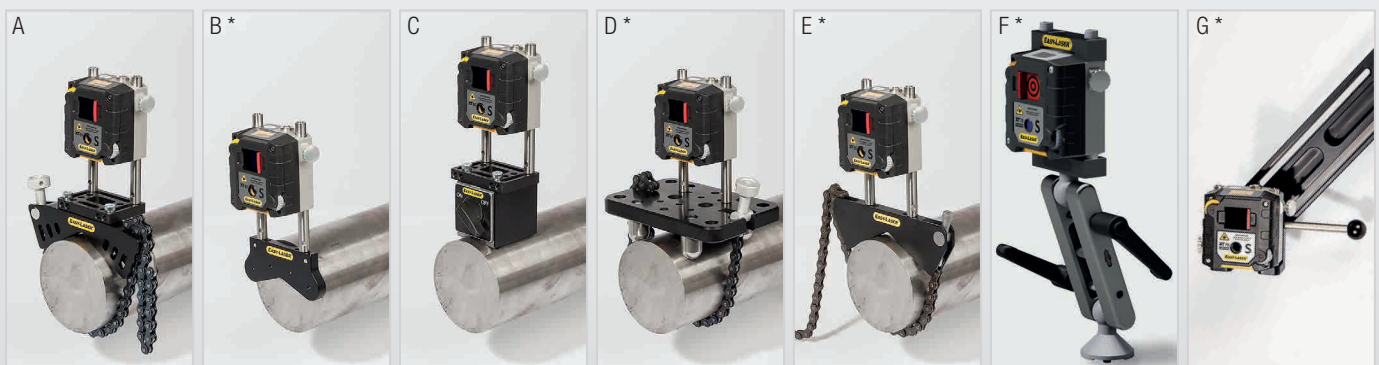
The dot laser technology makes it possible to measure larger machines and longer spans than line laser systems. It also provides higher accuracy when backlash in the coupling is present. In addition, dot laser allows you to check more things when installing a machine, e.g. twist of foundation and bearing clearance. With 2-axis PSD you can read off and record values for both vertical and horizontal directions.

DUAL LASERS, PSD, INCLINOMETERS



With electronic inclinometers in both measuring units the system knows exactly how they are positioned. This also makes it very easy to align uncoupled shafts. The so called reversed measurement method with two laser beams and two PSD makes it possible to also measure grossly misaligned machines. This is particularly good for new installations, where the machines are not yet in the correct position. With the Dual Technology, measurement accuracy is retained even over longer distances.

SHAFT BRACKETS



- A. Offset bracket, 2 pcs included
- B. Magnetic bracket*
- C. Magnet base, 2 pcs included
- D. Sliding bracket, Part No. 12-1010*
- E. Thin shaft bracket, Width 12 mm [0.5"], Part No. 12-1012*

- F. DM-bracket. For dynamic measurements. Complete kit with 2 brackets, Part No.12-1130*
- G. Cardan bracket kit, Part No. 12-1151* (Note: not all parts included shown on picture.)
- H. Extension rods (not pictured):
 - Length 30 mm [1.18"], (x1) Part No. 01-0938
 - Length 75 mm [2.95"], (x4) Part No. 12-1161
 - Length 120 mm [4.72"], (x8) Part No. 12-0324
 - Length 240 mm [9.44"], (x4) Part No. 12-0060

*Accessories

DISPLAY UNIT

XT11 DISPLAY UNIT

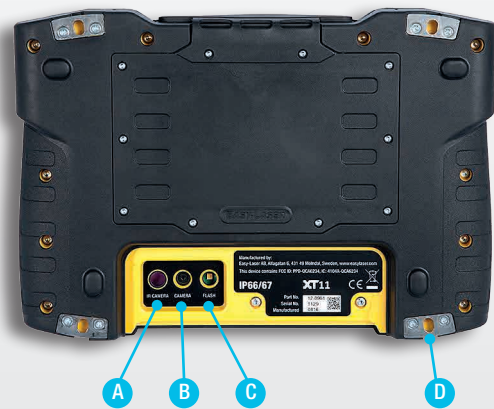
Rugged, robust, with wear resistant rubberized protective coating. IP66 and 67, dust-water- and shockproof. As standard a 13 MP camera for documentation is built-in, and you can also choose to add an IR camera to the XT11; shoot a thermal image before and after alignment and include with the documentation!

A large 8", glove-enabled touch-screen makes the information clear and the app easy to use. The small OLED display (C) shows battery status of both measuring units and display unit. You can check battery status also when the unit is turned off (B). The clever lock-screen button (B) prevents unintentional clicks, for instance when moving around on the job.

Four fastening points for shoulder strap or customized solutions. Heavy-duty battery for very long operating times; up to 16 hours. The camera can be removed if security reasons require it.



- A. Ergonomically, rubber coated housing
- B. Screen-lock button/Battery status-check button
- C. OLED display
- D. Display brightness sensor
- E. Large and clear 8" glove-enabled touch-screen
- F. Dust cover and protection for connectors (Note: connectors are dust and waterproof)
- G. Enter button



- A. IR Camera (optional)
- B. 13 Mp Camera
- C. LED Light
- D. Fastening points for shoulder strap (x4)

THERMAL CAMERA

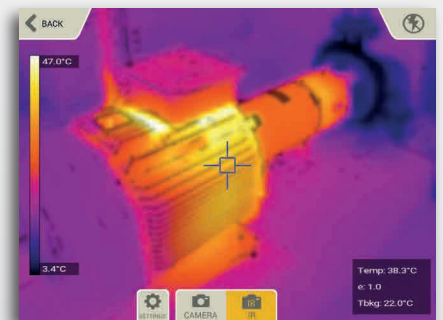
The Easy-Laser® XT11 Display unit has the option to add thermal imaging camera (IR) along with the standard 13 MP digital camera. Shoot a thermal image before and after alignment and include with the documentation!

13 MP CAMERA

Take pictures to identify your machines and include with your report.

LED LIGHT

Light up the work area when ambient light is not enough.



AV CONNECTOR

As standard the XT11 is equipped with a HDMI connector, making it possible to share the display screen direct on a TV monitor or projector screen without any additional software. Useful for training purposes with large groups.



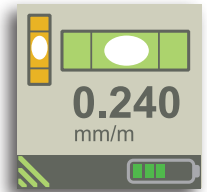
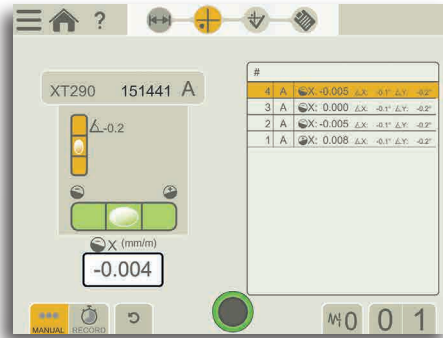
- E. Charger
- F. USB A
- G. AV connector (HDMI)
- H. USB B

PRECISION LEVEL

FOR GENERAL MACHINERY SET-UP



XT290 Digital Precision Level is the must-have addition to your shaft system. Installing machinery level is very often a requirement for them to work as intended. Use the XT290 as a separate tool, or with the *XT Alignment App*. When connected to the *XT Alignment App* on your iOS or Android device, or the XT11 display unit, you can read off the alignment “live” at the position on the machine where the actual alignment is made, and make PDF reports.



Display on Precision Level unit. Live values and graphics.

Align in live mode, document result with PDF.
(XT Alignment app Values/Level application.)

SYSTEM XT290 LEVEL PART NO. 12-1244

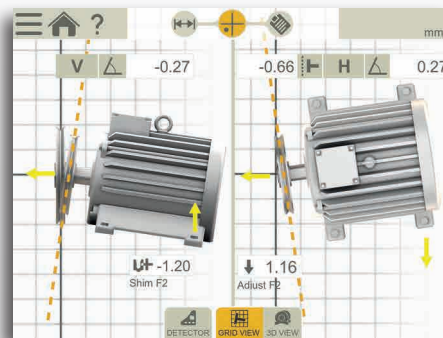
BELT ALIGNMENT TOOL

FOR RADIALLY MOUNTED DRIVES



With the Belt alignment tool XT190 BTA you can align most types of radially mounted drives. The transmitter and detector attaches magnetically to the sheave edge. A digital display unit gives the advantage of checking against belt manufacturer tolerances.

When connected to the *XT Alignment App* on your iOS or Android device, or the XT11, you can also read off the alignment “live” at the position on the machine where the actual alignment is made. You get adjustment values for both horizontal and vertical direction (shim value), resulting in a more accurate alignment in a shorter time.



OLED display on detector unit. Live values.

Align machine in live mode, document result with PDF.
(XT Alignment app Belt application.)

SYSTEM XT190 BTA
PART NO. 12-1053

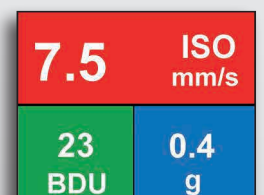
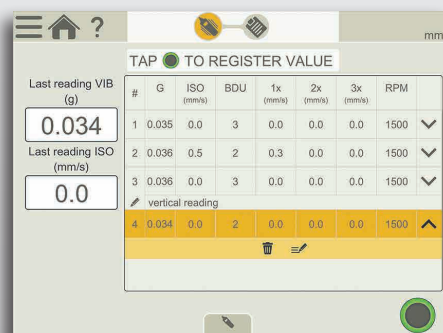


VIBROMETER TOOL

FOR QUICK VIBRATION ANALYSIS



Easy-to-use vibration analyser that quickly diagnose vibration level, unbalance, misalignment and looseness. The direct readout of 1x, 2x, 3x RPM, total level as well as bearing condition provide necessary information during installation and alignment. The XT280 connects to the *XT Alignment App*, making it possible to document the result as PDF.



Display on vibrometer unit. Live values.

Register values with notes for each point, add photo of machine, document result with PDF.

SYSTEM XT280 VIB PART NO. 12-1090

GEOMETRIC MEASUREMENTS

GEOMETRIC MEASUREMENTS KIT

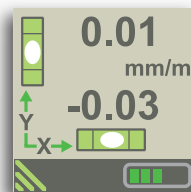
GEO With XT770 GEO you will be able to take flatness and straightness measurements according to established standards like ISO and ANSI. The kit includes the versatile laser transmitter XT20 plus a magnet base with rotatable head for geo measurements.

XT20 LASER TRANSMITTER

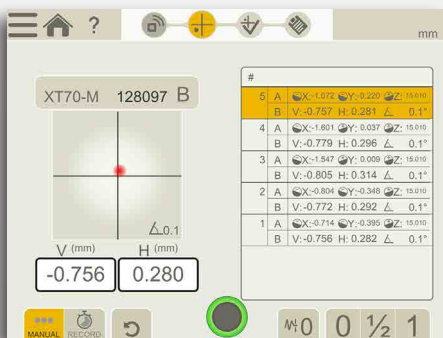
The XT20 is an app connected, very easy-to-use, laser transmitter with a 360° rotatable laser head. Its unique digital precision levels means the accuracy will not be affected by user interpretation or possible bad work light conditions.

Connected to the XT Alignment App you are guided on-screen when calibrating the electronic levels. This makes the procedure easy also for users less experienced of flatness measurement. You can of course also measure with the object as reference instead of the level. The Straightness and Flatness programs then also guide you and make complex calculations of best-fit for you. Actually, with the Values program you can perform almost any kind of geometrical measurement, although you might need to do some manual calculations.

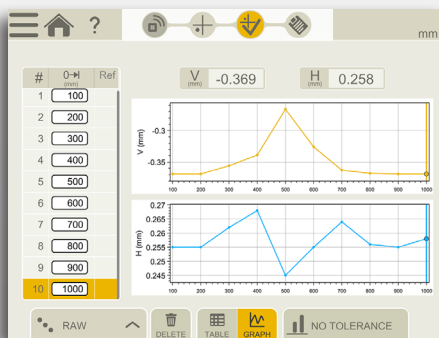
XT20 has a built-in rechargeable battery with an operating time of 30 hours (continuously).



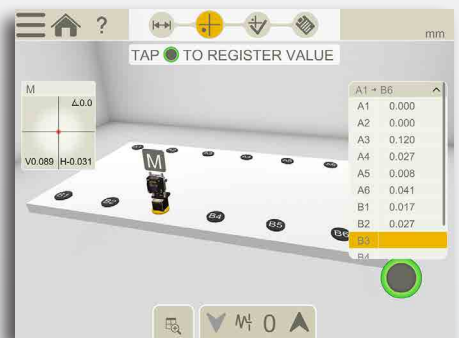
XT20 LASER TRANSMITTER



Values program. Gives you absolute values for maximum flexibility.



Straightness program. With both H and V values. Add reference points, calculate best-fit, etc.



Basic flatness measurement program. Perfect for machine foundations, compressor housings etc.



Calibrating the electronic precision levels is super easy with the step-by-step guidance provided by the software.

CHOOSE YOUR SYSTEM!

XT770

PART NO. 12-1095

Display unit, Large case.

Weight: 14.6 kg [32.1 lbs]

PART NO. 12-1096

Same as above, but without display unit.

Weight: 13.0 kg [28.7 lbs]



- A. Offset brackets**
- B. Magnetic brackets***
- C. Magnet bases**
- D. XT280 VIB***
- E. XT190 BTA***

**Accessories, not included as standard.*



XT770 GEO

PART NO. 12-1127

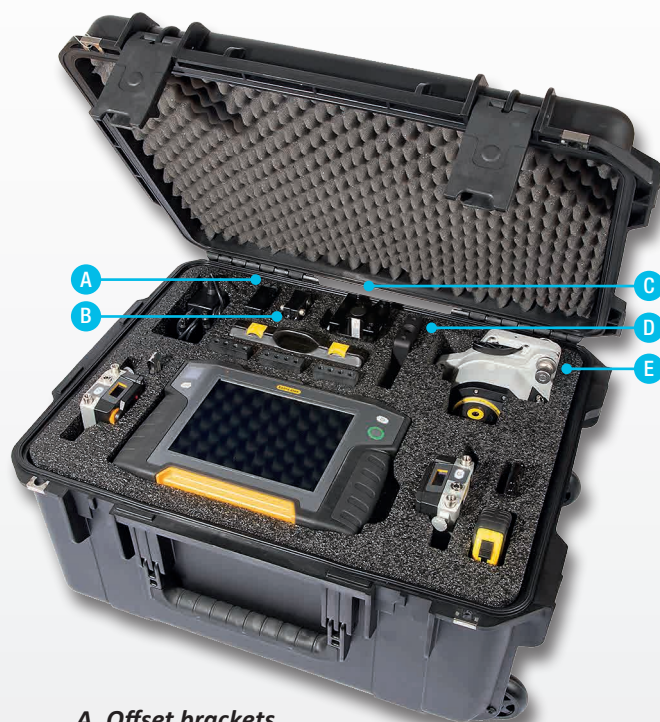
Display unit, GEO Kit, Large case GEO.

17.6 kg [38.8 lbs]

PART NO. 12-1128

Same as above, but without display unit.

16.0 kg [35.3 lbs]



- A. Offset brackets**
- B. Magnetic brackets***
- C. Magnet base with rotatable top#**
- D. Multi-bracket for XT20**
- E. XT20 Laser transmitter**

**Accessories, not included as standard.*

#Replaces one of the regular magnet bases.

All Easy-Laser® XT770 Shaft systems include:

- 1 Measuring unit XT770-M
- 1 Measuring unit XT770-S
- 2 Shaft brackets with chains and rods 120 mm [4.72"]
- 4 Rods 75 mm [2.95"]
- 4 Rods 120 mm [4.72"]
- 2 Magnet bases
- 2 Offset brackets
- 2 Extension chain 900 mm [35.4"]
- 1 Measuring tape 3 m [9.8']
- 1 Hexagon wrench set
- 1 Charger (100–240 V AC)
- 1 DC split cable for charging
- 1 DC to USB adapter, for charging
- 1 Quick reference manual
- 1 Cleaning cloth for optics
- 1 USB memory with manuals
- 1 Documentation folder
- 1 Carrying case Large (or Large Geo) WxHxD: 580x460x295 mm [22.8x18.1x11.6"]

With wheels and an extendable handle.

Part No. 12-1095 and 12-1127, also include:

- 1 Display unit XT11
- 1 Shoulder strap for display unit

Part No. 12-1127 and 12-1128 also include:

- 1 Laser transmitter XT20
- 1 Magnet base with turnable head (replaces one of the regular magnet bases)
- 4 Rods 120 mm [4.72"]
- 1 Multi-bracket for XT20

Customize your XT11 (Note that these options cannot be retrofitted):

- Part No. 12-0968 IR Camera added to XT11
- Part No. 12-0985 Camera (and LED light) removed from XT11

TECHNICAL DATA

| Measuring units XT70-M / XT70-S | |
|---------------------------------|---------------------------------------|
| Type of detector | 2 axis TruePSD 20x20 mm [0.79x0.79"] |
| Communication | BT wireless technology |
| Battery type | Heavy duty Li Ion chargeable |
| Operating time | Up to 24 h continuously |
| Resolution | 0.001 mm [0.05 mils] |
| Measurement accuracy | ±1µm ±1% |
| Measurement range | Up to 20 m [66 feet] |
| Type of laser | Diode laser |
| Laser wavelength | 630–680 nm |
| Laser class | Safety class 2 |
| Laser output | <1 mW |
| Electronic inclinometer | 0.1° resolution |
| Environmental protection | IP class 66 and 67 |
| Operating temperature | -10–50 °C [14–122 °F] |
| Storage temperature | -20–50 °C [-4–122 °F] |
| Relative humidity | 10–95% |
| OLED display | 128x64 pixels |
| Housing material | Anodized aluminium + PC/ABS + TPE |
| Dimensions | WxHxD: 76x76.7x45.9 mm [3.0x3.0x1.8"] |
| Weight | 272 g [9.6 oz] |

| Display unit XT11 | |
|--------------------------|--|
| Type of display/size | SVGA 8" colour screen, backlit LED, multitouch |
| Battery type | Heavy duty Li Ion chargeable |
| Operating time | Up to 16 h continuously |
| Connections | USB A, USB B, Charger, AV |
| Communication | Wireless technology, WiFi |
| Camera, with diode lamp | 13 Mp |
| IR camera (optional) | FLIR LEPTON® (0–450 °C, 32–842 °F) |
| Languages | en / de / sv / es / pt / ru / ja / ko / zh / it / fr / pl / fi |
| Help functions | Built-in manual |
| Environmental protection | IP class 66 and 67 |
| Operating temperature | -10–50 °C [14–122 °F] |
| Storage temperature | -20–50 °C [-4–122 °F] |
| Relative humidity | 10–95% |
| OLED display | 96x96 pixels |
| Housing material | PC/ABS + TPE |
| Dimensions | WxHxD: 274x190x44 mm [10.8x7.5x1.7"] |
| Weight | 1450 g [51.1 oz] |

| Cable | |
|---------------------------------|--------------------|
| Charging cable (splitter cable) | Length 1 m [39.4"] |

| Brackets etc. | |
|----------------|---|
| Shaft brackets | 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"] Material: anodised aluminium |
| Rods | Length: 120 mm, 75 mm [4.72", 2.95"] (extendable) Material: Stainless steel |

| XT280 Vibration meter | |
|-------------------------------------|--|
| Frequency range | 2 Hz to 1 kHz (ISO) 1 kHz to 10 kHz (BDU) |
| Max frequency resolution | 1.25 Hz @ 800 lines FFT setting |
| Displayed amplitude units | Acceleration in g Velocity in mm/s (or inch/s) Bearing noise in BDU (bearing damage units) |
| Displayed Frequency Units | Hertz (Hz), RPM or CPM |
| Input range | User selectable with accelerometer sensitivity |
| Dynamic range | 96 dB (0.01g resolution) |
| VA diagnostic bands (RPM=run speed) | Unbalance 1x RPM Alignment 2x RPM Looseness 3x RPM |
| Operating temperature | 0°C to 50°C |
| Storage temperature | -20°C to 70°C |
| Battery type | 2 x AA batteries |
| Battery operation | 20 hours continuously (depending on brightness setting) |
| Environmental protection | IP67 |
| Material | ABS plastics / Hard anodized aluminium |
| Dimensions | WxHxD: 200 mm x 60mm x 26mm [7.8 x 2.4 x 1.0"] |
| Weight | 280 g [9.8 oz] |

| XT20 Laser transmitter | |
|--------------------------------|---|
| Type of laser | Diode laser |
| Laser wavelength | 630–680 nm |
| Laser Safety Class | Class 2 |
| Output power | < 1 mW |
| Beam diameter | 6 mm [0.24"] at aperture, 10 mm [0.39"] at 20 m [66'] |
| Working range | 20 m radius [66'] |
| Communication | BT Wireless technology |
| Warning indications | Tempearature drift and shake/vibration |
| Connections | Charger |
| Type of battery | Heavy duty Li-Ion chargeable |
| Operating time | Up to 30 hours continuous use |
| Warmup time | 15 min |
| Operating temperature | -10–50 °C [14–122 °F] |
| Charging temperature (battery) | 0–50 °C [32–122 °F] |
| Storage temperature | -20–50 °C [-4–122 °F] |
| Relative humidity | 10–95% non-condensing |
| Number of precision levels | 2 pcs Horizontal |
| Precision level range | ± 10 mm/m [± 10 mils/inch] |
| Precision level accuracy | ± 0.02 mm/m ±1% [± 0.02 mils/inch ±1%] |
| Precision level sensitivity | 0.001 mm/m [0.001 mils/inch] |
| Laser beam straightness | ± 0.01 mm [± 0.4 mils] |
| Laser plane flatness | ± 0.01 mm/m [± 0.01 mils/inch] |
| Laser head fine turning | 1:132 gear ratio |
| Environmental protection | IP55, designed for outdoor use (pollution degree 4) |
| TFT display | 240x240 pixels, RGB colour |
| Housing material | Anodized aluminium + PC/ABS + TPU |
| Dimensions | WxHxD: 147x126x152 mm [5.79x4.97x5.98"] |
| Weight | 2065 g [72.86 oz] |

| XT190 Belt Laser transmitter | |
|------------------------------|--|
| Sheave diameters | Ø60 mm [2.5"] and larger |
| Laser class | 2 |
| Output power | <1 mW |
| Laser wavelength | 630–680 nm |
| Beam angle | 60° |
| Accuracy | Laser plane – Reference plane: Parallelity: < 0.05°, Offset < 0.2 mm [0.008"] |
| Battery type | 1xR6 (AA) 1.5 V |
| Battery operation | 8 hours continuously |
| Material | ABS plastics / Hard anodized aluminium |
| Dimensions | WxHxD: 145x86x30 mm [5.7x3.4x1.2"] |
| Weight | 270 g [9.5 oz] |

| XT190 Detector unit | |
|----------------------|---|
| Measurement distance | Up to 3 m [9.8'] between Transmitter and Detector |
| Measurement range | Axial offset: ±3 mm [0.12"]. Angular value: ±8° |
| Display type | Yellow OLED 96x96 pixels |
| Connection | BT wireless technology |
| Battery type | Li-Ion |
| Battery operation | 5 hours continuously |
| Material | ABS plastics / Anodized aluminium |
| Dimensions | WxHxD: 95x95x36 mm [3.7x3.7x1.4"] |
| Weight | 190 g [6.7 oz] |

| XT290 Digital Precision Level | |
|-------------------------------|--|
| Displayed resolution | 0.1, 0.01, 0.001 mm/m [mils/inch] 0.001, 0.0001, 0.00001 inch/foot 10, 1, 0.1 arcsec 0.01, 0.001, 0.0001 degree |
| Precision level range | ±20 mm/m [±20 mils/inch] (pitch) |
| Precision level accuracy | ±0.02 mm/m ±1% [±0.02 mils/inch ±1%] |
| Precision level sensitivity | 0.001 mm/m [0.001 mils/inch] |
| Inclinometer range | ±180° (pitch and roll) |
| Inclinometer accuracy | ±0.2° (within range ±5°), ±1° (within range ±180°) |
| Type of display | TFT 240x240 pixels, RGB colour |
| Communication | BT wireless technology, 20 m [65'] range |
| Environmental protection | IP Class 66/67 |
| Warning sensors | Temperature change and vibration |
| Operating temperature | -10–50 °C [14–122 °F] |
| Storage temperature | -20–50 °C [-4–122 °F] |
| Operating time | Up to 20 h continuously |
| Internal battery | Li-Ion |
| Material | Corrosion resistant hardened steel, PC/ABS |
| Dimensions | WxHxD: 149.0x37.3x47.1 mm [5.87x1.47x1.85"] |
| Weight (precision level unit) | 548 g [19.3 oz] |



Sustainable, Consistent and Reliable

If consistency means having a long-term perspective on things, that is very true about Easy-Laser® and Generation XT. The products are designed to last. They are water and dust proof, as well as sturdy and rugged. They also come with a built-in adaptability. Our systems are easy to upgrade and expand, now or

in the future. In combination with our commitment to support and service, this means sustainability – for the investment made, and for the environment. We support the user through the whole product lifecycle. Sustainable, consistent and reliable – Generation XT from Easy-Laser.

Straightforward by all measures™

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3
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