BETEX®

SHAFT ALIGNMENT COMPUTERS

LASER KIT SHAFT ALIGNMENT SYSTEM

The Fixturlaser Laser Kit consists of two wireless sensor units utilizing two line lasers. The use of line lasers minimizes setup time. To make it even easier, the sensors come pre-mounted on its fixtures and are pre-set to the most common setup.

The free software runs on an iOs or Android tablet, or phone, guiding the user through the entire alignment process. The user interface is entirely graphical and uses no text, no language barriers to overcome.

The software leaves you without any doubt how your machine is aligned and when your job is completed. Reporting is automatic and contains all relevant information.

The Fixturelaser is designed to be used with the free Laser Kit App.

Technical details

Case:
Weight incl. all parts case	: 2.75 kg
Dimensions mm (lxwxh)	: 357x305x96 mm
Displayed resolution	: 0.01 mm

Sensor units:
Weight	: 156 g
Dimensions mm (lxwxh)	: 139x79x40 mm
Measurement distance	: 70 mm - 850 mm
Detector	: PSD (single axis)
Detector area	: 8.5 x 0.9 mm (0.3 x 0.4 inch)
Measurement accuracy	: 3% +/- 0.01 mm
Inclinometer accuracy	: +/- 2°
Wireless communication	: Bluetooth tranceiver with multi-drop capability

Shaft brackets:
Shaft diameter	: ø 30 - 150 mm
Rods	: 2 pcs 150 mm

TIP!
Use in combination with
Betex toe jacks, page 109 -110
Betex spreaders, page 112
Betex shims, page 126 -128

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EASY-LASER® E420

Easy-Laser® is used to align pumps and motors for all types of installations in a variety of industries. Correctly set-up and aligned machines are necessary to reduce energy consumption and achieve optimum service life.

Easy-Laser® E420 sets a new standard
in entry level laser systems for shaft alignment. Wireless measuring units, a large 5.7" colour display and an IP65-rated design that withstands harsh environments. These are the features you would normally only find in more expensive systems. Simply put, Easy-Laser® E420 has everything an entry level system should have, and more. Take the next step into wireless freedom!
Using Easy-Laser® E420 makes it easy to measure both horizontal and vertical/flange-mounted machines.

What you can measure and align:
Horizontal machines: horizontally mounted machines often consist of a pump and a motor, but can also include other types of machines such as gearboxes and compressors.
Vertical/flange-mounted machines: vertical and flange-mounted machines, e.g. pumps, motors, gear boxes.

Advantages E420 and E540:
- Easy to learn and use.
- Compact measuring units for use on most machine designs.
- All wireless units with integrated rechargeable battery.
- Large 5.7" colour display.
- Programs with both symbols and text = easy to understand.
- TruePSD technology with unlimited resolution.
- Dual PSD, dual laser beams and dual inclinometers for superior control and accuracy.

- 3 year warranty gives assurance.
- Fast service and support. 48-hours Express service if necessary.
- Low overall costs during the entire lifecycle of the product, for example calibration, accessories, etc.

Extra E540:
- Produce PDF reports directly from the Display unit and save to USB memory.
- Expandable / Adaptable. A range of accessories means that you can adapt the measurement system to your needs, now and in the future.

EASY-LASER® E540 wireless
Easy-Laser® is a cost effective investment that will pay itself back quickly by eliminating unplanned downtime, and reducing energy consumption and the need for spare parts. Simply efficient!
Easy-Laser® E540 is a precise and competent alignment system for your rotating machinery.
Easy-Laser® E540 provides the ideal balance between performance and price allowing you to create the best conditions to operate your machinery economically and problem-free:
- Alignment of horizontal and vertical/flange mounted machines.
- Keep track of machinery status with vibration level check*.
- Check the prerequisites for a correct alignment before aligning, e.g. bearing play and soft foot.
- Measure and align in three easy steps.
- Document the result.