1-0882

XA PRO

Express Alignment Through Real Innovation

WIRELESS | COLOR SCREEN | TOUCH SCREEN

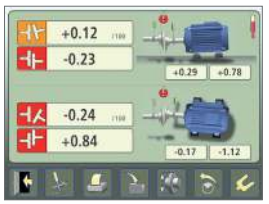
APPLICATIONS

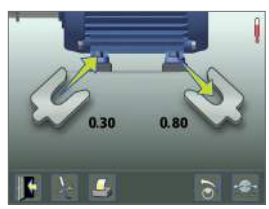
- HORIZONTAL
- VERTICAL
- MACHINE TRAIN^{XA}
- SOFTCHECK™
- FEET LOCK
- TARGET VALUES
- HOT CHECK
- MEMORY MANAGER
- MACHINE DEFINED DATA

Main Menu

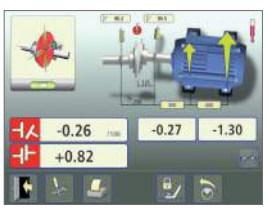
Measurement Point Registration

Measurement Result





Compound Moves



Fixturlaser XA Pro – Redefines the Standard for Laser Based Shaft Alignment

At its launch a few years ago, the Fixturlaser XA definitely set a new standard for laser based shaft alignment products. With the introduction of new technology in both hardware and software, this alignment tool took a huge innovative technology leap forward with regards to its user friendliness and the once so time consuming task of performing shaft alignment. The Fixturlaser XA Pro is a new and improved successor to the Fixturlaser XA with more new features and more content that will make your every day maintenance job a lot easier.

Fixturlaser XA Pro Hardware

As for the hardware, a completely new set of measurement units were introduced, large 30 mm CCD detector surfaces and line laser, which practically eliminates rough alignment.
The fact that all Fixturlaser shaft alignment products use two measurement units combined with their technological features, increases considerably the measurement accuracy. You can sample up to 693 measurements in each position giving in total 2079 points for calculation of a possible misalignment. Also, the CCD sensors allow for digital signal quality control, further enhancing the measurement accuracy.
To increase the mobility around your work site, the Fixturlaser XA Pro's measurement units are equipped with Bluetooth units, i.e. wireless connection.
The display unit is one of a kind in the market as it is fitted out with the largest color touch screen available, a whole 6,4´´ in size.

Fixturlaser XA Pro Software

The Fixturlaser XA Pro has an "All Inclusive" shaft alignment software package, which will handle most of the problems that can occur in the machine park. You will have no unpleasant surprises after the time of purchase with additional charges for e.g. unlimited storage space, machine train alignment, base and bolt bound situations, hot check, etc.
The intuitive user interface is animated thanks to the integration of 3D Macromedia® Flash™ technology in the display unit software. It guides you throughout the measurement and alignment process, using color coded icons, symbols, and measurement values, thus eliminating any possible language barriers.

FIXTUR LASER

FIXTURLASER XA PRO **1-0882**

FIXTURLASER XA PRO - COMPLETE SYSTEM

Weight (incl. all standard parts):	9,4 kg (20,72 lbs)
Storage Temperature:	-20 to 70°C (-4 to 158°F)

CASE

Material:	High Impact ABS Plastic
Sealing:	Dust, water (5m/16 feet), and air tight with air pressure compensation valve
Drop Test:	3 m (10 feet) onto concrete floor
Dimensions:	460 mm x 365 mm x 185 mm (18,1 in x 14,4 in x 7,3 in)

DISPLAY UNIT

Housing Material:	Anodized aluminum and high impact ABS plastic over molded with TPE rubber
Operating Temp:	0 to 40°C (32 to 104°F)
Relative Humidity:	10 – 90%
Weight:	1,5 kg (3,31 lbs) with batteries
Dimensions:	244 mm x 188 mm x 55 mm (9,6 in x 7,4 in x 2,1 in)
Environmental Protection:	IP 65
Processor:	Intel X-Scale, 400 MHz
RAM:	64 Mb
Flash Storage Memory:	128 Mb
Display:	Color TFT-LCD backlit with wide angle viewing technology
Display Size:	6,4" diagonal (131 x 98 mm)
Display Resolution:	Full VGA 640x480 pixels
Color Depth:	262 000 colors
Interface:	6,4" polyester laminated touch screen with enhanced transmission
External Interface:	2 RS-485 1 USB host port, 1.5 / 12 Mbps, OHCI v1.0 compliant 1 USB slave port, 12 Mbps 1 Ethernet 10/100BaseT RJ45 Class I Bluetooth transmitter with multi-drop capability
Power Supply:	Dual high performance rechargeable Li-Ion batteries and external power supply
Operating Time:	20 hours typical use
LED Indicators:	Unit status and battery status indicators

MEASURING UNITS

Housing Material:	Anodized aluminum and high impact ABS plastic over molded with TPE rubber
Operating Temp:	-10 to 60°C (14 to 140°F)
Relative Humidity:	10 – 90%
Weight:	186 g (6,6 oz)
Dimensions:	79 mm x 77 mm x 33 mm (3,1 in x 3,0 in x 1,3 in)
Environmental Protection:	IP 65
Laser:	650 nm class II diode laser
Laser Line Fan Angle:	6°
Laser Power:	< 1 mW
Measurement Distance:	Up to 10 m (33 feet)
Detector:	CCD
Detector Length:	30 mm (1,2 in)
Detector Resolution:	1 µm (0,04 mils)
Measurement Accuracy:	0,3% ± 7 µm (0,3% ± 0,27 mils)
Ambient Light Protection:	Optical filtering and sunlight signal suppression
Inclinometer Resolution:	0,1°
Inclinometer Accuracy:	±0,5°
LED Indicators:	Laser transmission and status indicators
Laser Safety:	See yellow label below

V-BRACKETS

Fixture:	V-fixture for chain, width 20 mm (0,79 in)
Material:	Anodized aluminum
Shaft Diameter:	Ø 20-450 mm (3/4 in -18 in)
Rods:	4 pcs 150 mm (5,9 in) extendable to 250 mm (9,8 in)

CABLES

Length:	2 pcs 3 m (10 feet)

WIRELESS PACKAGE

Housing Material:	PC/ABS plastic
Operating Temp:	-10 to 60°C (14 to 140°F)
Weight:	60 g (2,1 oz) without batteries
Dimensions:	97 mm x 47 mm x 36 mm (3,8 in x 1,85 in x 1,4 in)
Wireless Communication:	Class II Bluetooth transmitter
Power Supply:	3 AA (LR6) batteries
Operating Time:	10 hours continuously
LED Indicators:	Transmitter and battery status indicators

TPS

TRUE POSITION SENSING

- BOTH SHAFTS' POSITIONS MONITORED SIMULTANEOUSLY
- COMPOUND MOVES = MEASURE ONCE, MOVE IN TWO DIRECTIONS
- LIVE MEASUREMENT VALUES DURING ADJUSTMENT

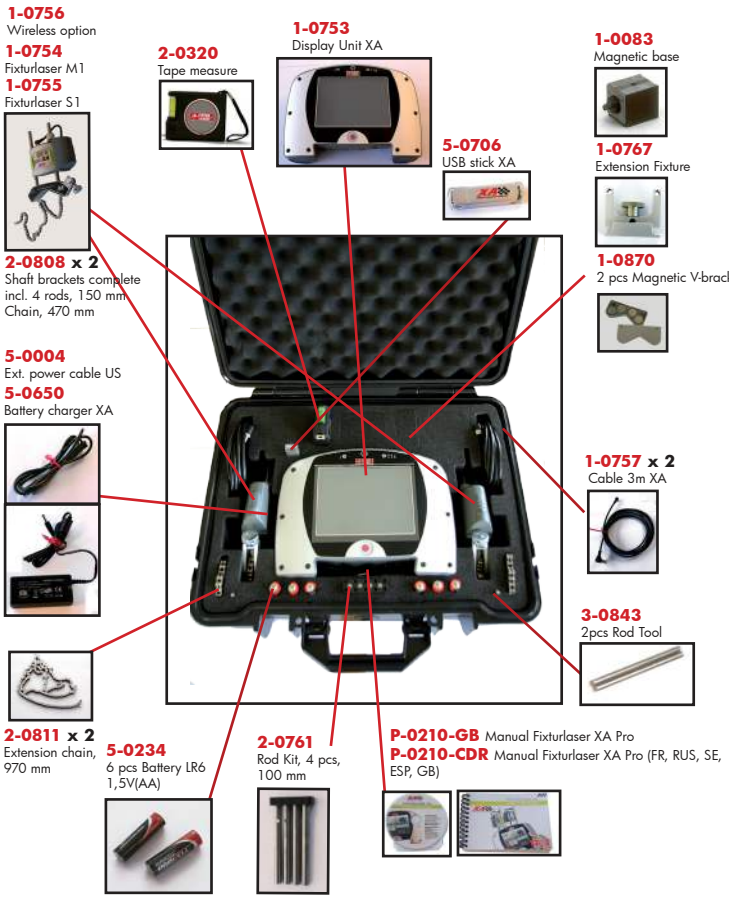
ALIGNMENT INTELLIGENCE

- 30 MM CCD DETECTOR + LINE LASER = VIRTUALLY ELIMINATES ROUGH ALIGNMENT
- DIGITAL SIGNAL QUALITY CONTROL → EDGE DETECTION, SIDE SPOT REJECTION, AND AMBIENT LIGHT SUPPRESSION

GRAPHIC USER INTERFACE

- 3D ANIMATION
- COLOR CODED RESULT
- ICON BASED

1-0882 Fixturlaser XA Pro



ISO 9001
ISO 14001

CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
SS-EN-60825-1:2007
MAX OUTPUT: 1 mW
WAVELENGHT: 630-680 nm

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

P-0235-GB Fixturlaser XA Pro ©Elos Fixturlaser AB, October 2010

P.O. Box 7 I SE - 431 21 Mölndal, SWEDEN I
Phone: +46 31 706 28 00 I Fax: +46 31 706 28 50 I
E-mail: info@fixturlaser.se I www.fixturlaser.com I

ELOS FIXTURLASER