



WIRELESS



COLOR SCREEN



TOUCH SCREEN

APPLICATIONS



HORIZONTAL



VERTICAL



SOFTCHECK™



TARGET VALUES



MEMORY MANAGER



Fixturlaser UPAD^{XA} – A Real Fixturlaser Innovation

Inspired by the consumer market, where the trend is making articles smaller and portable, the Fixturlaser UPAD^{XA} was born – a hands free laser based shaft alignment tool.

Designed for Comfort

The Fixturlaser UPAD^{XA} is a remarkable innovative step forward for any one who works with servicing machines. It gives you complete freedom to move and walk around the job site while doing your job.

The Fixturlaser UPAD^{XA} is designed to maximize your comfort of using a hands free tool; it has an angled display box that is equipped with a Velcro® strap that keeps it in place on your arm.

The display box has a large color touch screen, 3.5", with a full VGA resolution of 640 x 480 pixels. The screen is both backlit and transreflective to provide the best possible visibility in poor light conditions, as well as in strong sunlight.

Small in Format, Big in Capacity

Its smaller format does not hinder the Fixturlaser UPAD^{XA} from delivering the same ease and speed when performing alignment, as its bigger siblings.

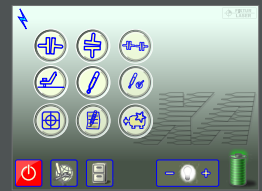
The tool is, of course, wireless using Bluetooth connections. With the intuitive user interface, which uses color coded and graphical icons, symbols, and values, you are guided throughout the measurement and alignment process. The Fixturlaser UPAD^{XA} always delivers live values during the alignment phase; hence you do not have to remeasure after each adjustment.

Saving and Documentation

Saving is handled by using the Memory Manager function; the Fixturlaser UPAD^{XA} has the capacity to store appr. 10 000 measurements, i.e. more or less an infinite amount.

Documentation of measurement reports is really easy. By connecting the display unit to the PC's USB connection, the files are rapidly transferred using the Explorer function in the PC.

Main Menu



Measurement Point Registration



Measurement Result



Compound Moves



FIXTURLASER UPAD^{XA}

FIXTURLASER UPAD^{XA} - COMPLETE SYSTEM

Weight (incl. all standard parts): 7,9 kg (17,42 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:	400 mm x 320 mm x 170 mm (15,7 in x 12,6 in x 6,7 in)

DISPLAY UNIT

Housing Material:	Anodized aluminium and high impact ABS plastic over molded with TPE rubber
Operating Temp:	0 to 50°C (32 to 122°F)
Storage Temp:	-20 to 70°C (-4 to 158°F)
Long term storage temp:	Room temp. 18 to 28°C (64 to 82°F)
Relative humidity:	10 – 90%
Weight:	336 g (0,74 lb) with batteries
Dimensions:	128 mm x 90 mm x 85 mm (5,0 in x 3,5 in x 3,3 in)
Environmental Protection:	IP 54
Processor:	Intel X-Scale, 520 MHz
RAM:	128 Mb
Flash Storage Memory:	512 Mb (app. 10.000 measurements)
Display:	Transreflective color TFT-LCD backlit with touchscreen
Display Size:	3,5" diagonal (70 x 55 mm)
Display Resolution:	Full VGA 640 x 480 pixels
Color Depth:	262 000 colors
Interface:	Touchscreen with enhanced transmission
Peripherals:	1 USB Mini slave port, 12 Mbps
Wireless communication:	Class I Bluetooth
Power Supply:	High performance rechargeable Li-Ion battery and external power supply
Operating Time:	10 - 15 hours typical use
Battery charging temperature:	5 to 35°C (41 to 95°F)
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)

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



TRUE POSITION SENSING

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



ALIGNMENT INTELLIGENCE

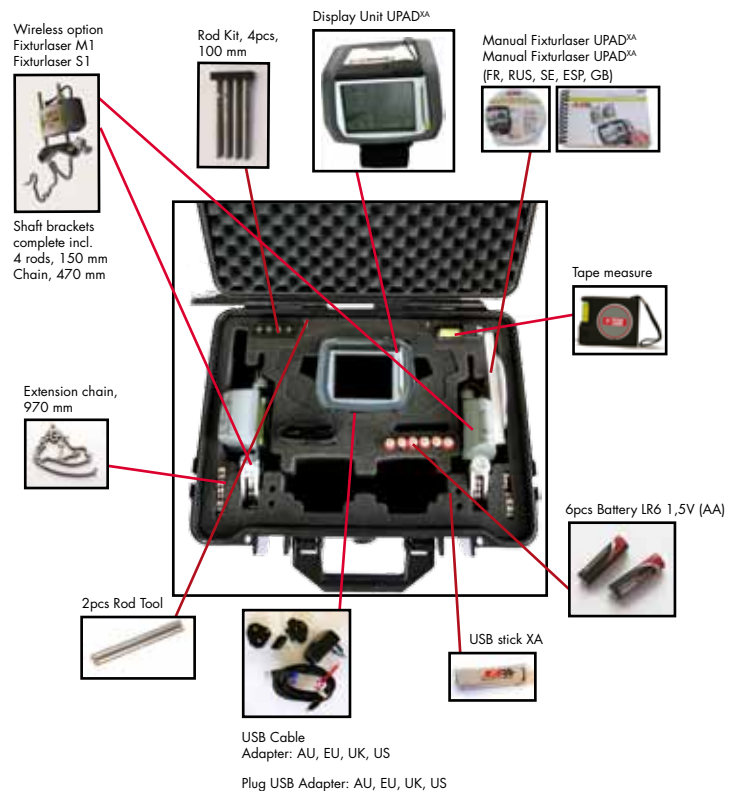
- 30 MM CCD DETECTOR + LINE LASER = VIRTUALLY ELIMINATES ROUGH ALIGNMENT
- DIGITAL SIGNAL QUALITY CONTROL → EDGE DETECTION, SIDE SPOT REJECTION, AND AMBIENT LIGHT SUPPRESSION



GRAPHIC USER INTERFACE

- 3D ANIMATION
- COLOR CODED RESULT
- ICON BASED

Fixturlaser UPAD^{XA}



COMPLIES WITH 21 CFR 1040.10 AND 1040.11 EXCEPT FOR DEVIATIONS PURSUANT TO LASER NOTICE No. 26 DATED JUNE 24, 2007

