

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

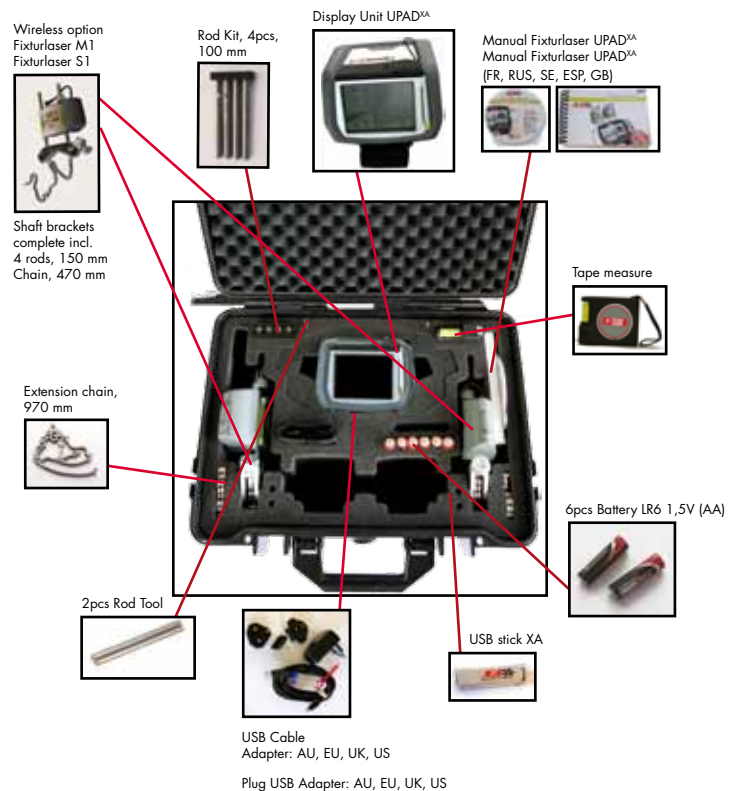
- 30 MM CCD DETECTOR + LINE LASER = VIRTUALLY ELIMINATES ROUGH ALIGNMENT
- DIGITAL SIGNAL QUALITY CONTROL → EDGE DETECTION, SIDE SPOT REJECTION, AND AMBIENT LIGHT SUPPRESSION



GRAPHIC USER INTERFACE

- 3D ANIMATION
- COLOR CODED RESULT
- ICON BASED

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

