

FIXTURLASER XA PRO

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)
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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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