



TRUE POSITION SENSING

- BOTH SHAFTS' POSITIONS MONITORED SIMULTANEOUSLY
- LIVE MEASUREMENT VALUES DURING ADJUSTMENT



ALIGNMENT INTELLIGENCE

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

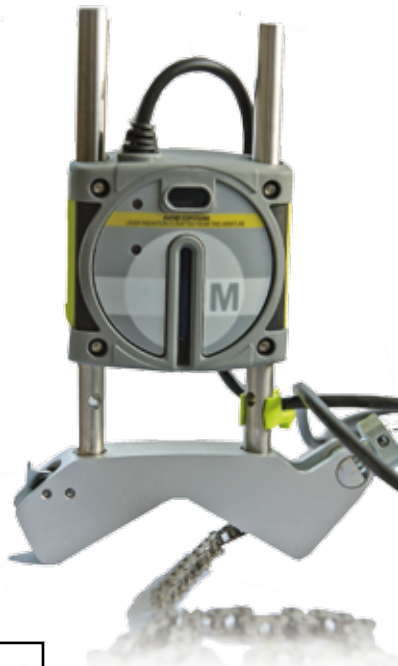
The Fixturlaser measurement units with the largest detector area, 30 mm!

Compact measurement units that are easy to handle during assembly and measuring.



GRAPHIC USER INTERFACE

- ICON BASED



Fixturlaser GO Basic



FIXTURLASER GO Basic

FIXTURLASER GO BASIC - COMPLETE SYSTEM

Weight (incl. all standard parts): 6.8 kg (15 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) on to concrete floor
Dimensions:	400 x 320 x 170 mm (15.7 x 12.6 x 6.7 in)

DISPLAY UNIT

Housing Material:	High impact ABS plastic
Operating Temp:	0 to 50°C (32 to 122°F)
Storage Temp:	-20 to 70°C (-4 to 158°F)
Relative Humidity:	10 – 90%
Weight:	0.7 kg (1.54 lbs) with batteries
Dimensions:	205 mm x 116 mm x 56 mm (8.1 in x 4.6 in x 2.2 in)
Environmental Protection:	IP 54
Flash storage memory:	4 Mb
Display size:	4" diagonal (80 x 60 mm)
Interface:	Membrane Switch Keyboard
Peripherals:	2 RS-485, 1 USB slave port
Power supply:	3 x 1.5V LR-14 (C) Alkaline batteries
Operating Time:	15 hours typical use
LED Indicators:	Green, orange, and red for alignment status indication

MEASURING UNITS

Housing Material:	Anodized aluminum and high impact ABS plastic molded over with TPE rubber
Operating Temp:	0 to 50°C (32 to 122°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 line width (1/e2):	1,6 mm
Laser line divergence (full angle):	0.25 mrad
Laser Power:	< 1 mW
Measurement distance:	Up to 5m
Detector:	CCD
Detector length:	30 mm (1.2 in)
Detector angular sub tense:	30 mrad/m (3 mm/100 mm per meter)
Detector resolution:	1 µm
Measurement accuracy:	0.3% ± 7 µm
LED Indicators:	Laser transmission and status indicators
Inclinometer resolution:	0.1°
Inclinometer accuracy:	±0.5°
Ambient light protection:	Optical filtering and ambient light signal rejection
Cables:	2 pcs à 2 m (6.5 feet)

SHAFT BRACKETS

Fixture:	V-fixture for chain, width 20 mm (0,79 in)
Material:	Anodized aluminum
Shaft diameter:	Ø 20 – 175 mm (3/4 in – 6.9 in) With extension chains Ø 20 – 450 mm (3/4 in – 18 in)
Rods:	4 pcs 150 mm (5.9 in)

