



INDUSTRY 4.0

FIXTURLASER EXO

ShaftAlignmentinHazardous Areas

Certified

II 3 G Ex ic op is IIC T4 Gc , $0^{\circ}\text{C} \leq T_a \leq 50^{\circ}\text{C}$



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FIXTURLASER EXO

Safeguard Your Maintenance Team and Production

Our core values have led to the development of several first industry functions, where True Live and VertiZontal™ Moves are unique on the market for laser-based shaft alignment tools. They bring an ease of use to our end users, which above all facilitates easy precision shaft alignment, on-the-job time saving, improved reliability and most importantly, money savings.

With the FIXTURLASER EXO, you get all this in an intrinsically safe shaft alignment package.

GuideU

Our Graphical User Interface, Your Alignment Guide

Our patented icon-based and color-coded user interface makes it easy to measure, align, and document each job. In order to minimize the risk of operator errors, we developed an icon-driven, adaptive user interface for the EXO system.

This *adaptive user interface* guides the user throughout the job in logical and easy to follow steps. It will deliver measurement and correction values based on what the system finds during the alignment process. This eliminates confusion for less-experienced users and provides ease of access throughout a measurement with the EXO system. To add to the enhanced user experience, we have given the interface a game-like 3D graphic look facilitating unmistakable interpretation of any misalignment error.

Our icon-driven, language-free alignment systems produce measurement reports easily understood by all users, regardless of their language.

Easy-to-Use Shaft Alignment in Hazardous Areas

ATEX/IECEx Zone 2 certified including ruggedized IP68 tablet device



Instant battery check – in both on and off mode

Thinnest smart sensors on the market

Built-in dual inclinometers to detect backlash and obtain angular values during measurement in horizontal alignment

Premounted fixtures a short setup time

Integrated Bluetooth for wireless communication between display unit and smart sensors

30 mm digital sensor detector + line laser eliminates rough alignment a short setup time



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TECHNICAL SPECIFICATION –
FIXTURLASER EXO System with Case

TD-units M4 Ex 1-1043/S4 Ex 1-1044

Weight including all standard parts:	6,6 kg (14,6 lbs)
Weight:	M4 Ex: 220 g (7,8 oz) S4 Ex: 190 g (6,7 oz)
Dimensions:	92 mm x 77 mm x 33 mm (3,6 in x 3,0 in x 1,3 in)
Operating Temp:	0 to 50°C (32 to 122°F)
Storage Temp:	-20 to 70°C (-4 to 158°F)
Relative humidity:	10 – 90%
Environmental protection:	IP 65 (Dust tight and protected against water jets)
Laser	650 nm class II diode laser
Laser power	< 1 mW
Measurement distance	Up to 5 m
Detector	2nd generation digital sensor
Detector length	30 mm (1,2 in)
Detector resolution	1 µm
Measurement accuracy	0,3% ± 7 µm
Signal processing:	Digital signal processing with sidespot rejection, edge detection, ambient light elimination, and anti-vibration mode
Inclinometer:	Dual High Performance MEMS inclinometers
Inclinometer resolution	0,01°
Inclinometer accuracy	±0,2°
Wireless communication:	Class I Bluetooth transmitter
Communication range	10 m (33 ft)
Charging:	5V, 0,5A
Operating time:	12 hours continuous use (measuring)
Battery Charging time (system off, room temperature):	5 hours
Shaft brackets:	
Shaft diameter:	Ø 25-175 mm (1"-6.9") Ø 25-450 mm (1"-18") (with extension chains)
Rods:	4 pcs 100 mm (3,9 in) and 4 pcs 150 mm (5,9 in) Extendable to 250 mm (9,8 in)



THE FIXTURLASER EXO Package

Tablet EXO
Fixturlaser M4 Ex - Fixturlaser S4 Ex
Rod kit NXA
2 pcs. Chain 8 mm 60 links (L=970 mm)
2 pcs.V-bracket complete Ex
2 pcs. Angled universal tool
Ext power cable EUR 2m
Ext power cable US 2m
Tape measure 3m 10feet Ex
2 pcs. USB-cable A-mini B 2m
Power supply 5 USB-ports 5 VDC
User Manual EXO english

ACOEM AB is a global player and leader in developing innovative, user friendly equipment for shaft alignment. By helping industries worldwide to become perfectly aligned, and eliminating anything that might not be, we minimize unnecessary wear and production stoppages. This will ultimately make our customers more profitable and our environment more sustainable.



COMPLIES WITH CE MARKING AND 1000-11
EXCEPT FOR DEVIATIONS PURSUANT TO
LASER NOTICE No. 55, DATED JUNE 24, 2007



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