

# Acoem OL2R

FOR FLEXIBLE OFFLINE-TO-RUNNING MEASUREMENTS  
OF CRITICAL MACHINES



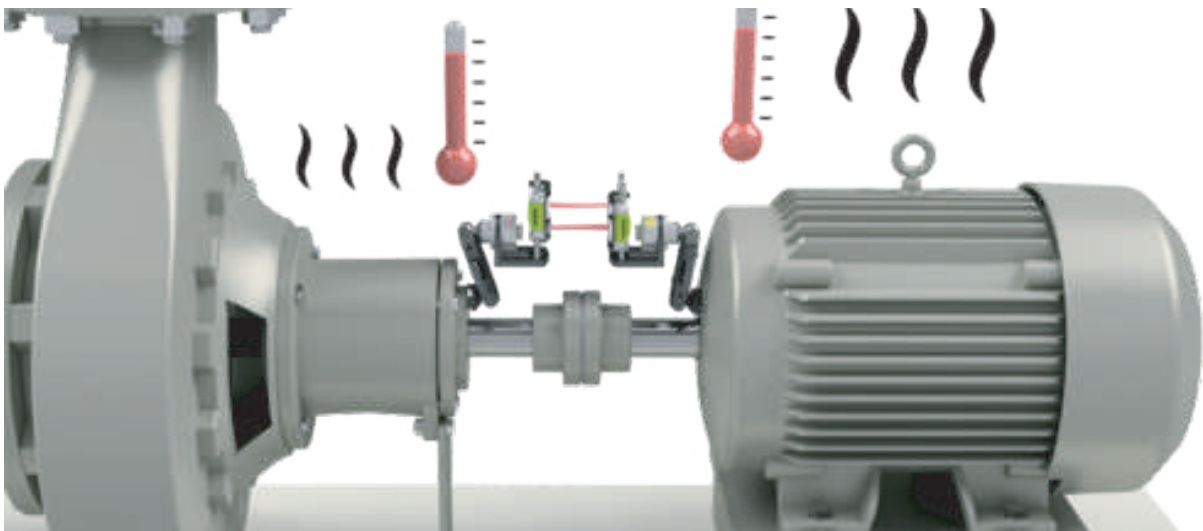
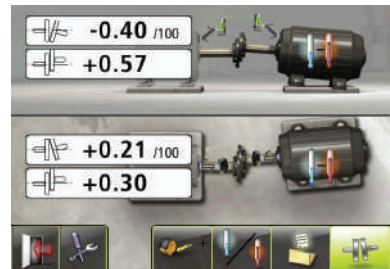
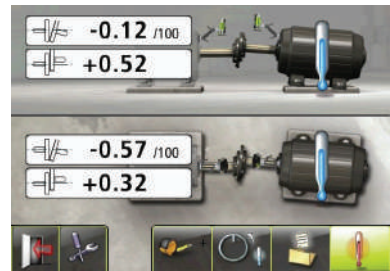
**acoem**  
CREATING ENVIRONMENTS OF POSSIBILITY

# Acoem OL2R

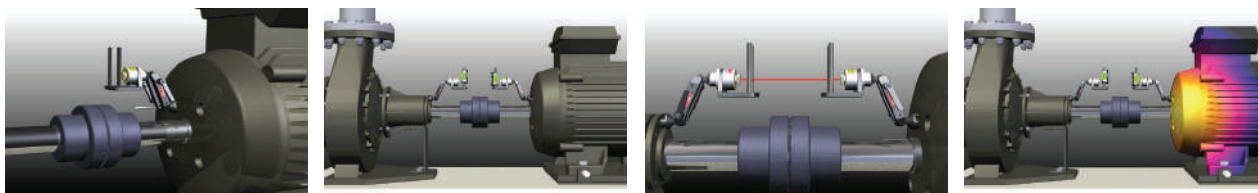
Measurements of dynamic movements are used for critical machines within industries, where large temperature differences or other disturbing factors exist. The need for measurement of dynamic movements is often indicated by a high level of vibrations. For some machines these high levels remain even after having performed shaft alignment in cold condition. The Fixturlaser NXA together with the OL2R Expansion kit helps you to overcome this costly and time consuming problem by performing offline-to-running measurements. The

measurements provide you with machine unique target values to be used for compensation during shaft alignment. The Fixturlaser OL2R Expansion kit consists of both software and fixtures.

The Fixturlaser OL2R fixtures are both equipped with a laser pointer, which means that the Fixturlaser NXA alignment system is not needed in order to mount the fixtures. Thanks to this feature the mounting can be performed fast and easy.



## The offline-to-running measurement process in short



Mount the tooling ball on each machine. Ensure that the bolt is tightened and that the arrangement is firmly mounted to the machine casing. Check that the laser is adjusted to the rotational centre by rotating the turret on each fixture. Adjust the fixtures until both the lasers are hitting the centre of the opposing target. Tighten the screw on the fixture and make sure that it is stable while rotating the turrets. Turn off

the laser beams in the fixtures and mount the Fixturlaser NXA sensors on the posts of the fixtures. Set the sensors so that they are approximately at the same rotational angle when taking the three measurements. Perform the measurement in both cold and hot conditions. Thereafter continue with the shaft alignment using the target values from the offline-to-running measurements.

## What's included



- 2 pcs of OL2R fixtures, available in mm or in inch
- Allen key 5 mm or 3/16 inch
- 2 pcs of socket cap screws M6 x 650 or UNC 1/4 x 2 inch
- Thread tap M6 or 1/4 inch
- Allen key 2 mm
- Drill 5 mm
- 4 pcs of batteries, SR44 1,5 v

## Technical specifications

OL2R - COMPLETE SYSTEM	
Storage temperature	-20 to 70°C
Weight	system incl. case 5,2 kg
CASE	
Material	High Impact ABS Plastic
Dimensions	335 x 270 x 150 mm

UNITS	
Material	Extruded aluminum
Operating Temp	0 to 50°C
Laser	Class 2 laser



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## About Acoem

Creating environments of possibility

At Acoem, we create environments of possibility- helping organisations find the right balance between progress and preservation – safeguarding businesses and assets, and maximising opportunities while conserving the planet’s resources. We deliver unrivalled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 150 distributors, our 800+ employees work across 27 offices, 5 manufacturing facilities and 3 R&D centres in 11 countries to provide trusted, holistic data solutions for customers worldwide.

Acoem links possibilities with protection.

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