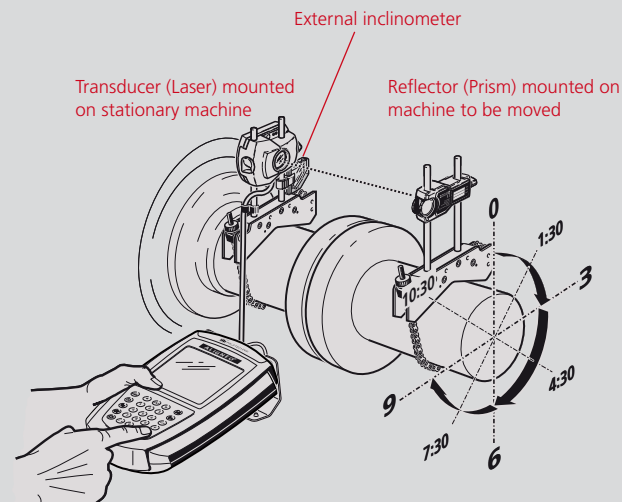


## Know your ALIGNEO®



## Mount ALIGNEO® and switch on



Switch ALIGNEO on by pressing **F 0**.

Note: You may resume from where you last left off by pressing **ENT**.



## F key functions

- ▶ **F 1** Display (x,y) coordinates and rotation angle
- ▶ **F 2** Units selection, mm/inch
- ▶ **F 3** 6-foot machine foot results
- ▶ **F 4** Display time and date (set via **F 8 0**)
- ▶ **F 5** Alignment status\*
- ▶ **F 6** Extend measurement\*
- ▶ **F 0 0** PC communication
- ▶ **F 0 2** Print report
- ▶ **F 7 0** Select static machine or feet\*
- ▶ **F 7 1** Select report format (graphic or text)
- ▶ **F 7 3** Select coupling type, short or long\*
- ▶ **F 7 4** Default setting for results key (coupling or feet)
- ▶ **F 7 5** Vertical machine alignment\*
- ▶ **F 7 6** Enter coupling targets\*
- ▶ **F 7 7** Enter thermal growth\*
- ▶ **F 7 8** Default coupling diameter
- ▶ **F 7 9** Default RPM\*
- ▶ **F 8 0** Set time and date
- ▶ **F 8 1** Set language (0=english)
- ▶ **F 8 2** Set number of individual readings for averaging
- ▶ **F 8 3** Set the deviation band
- ▶ **F 8 4** Set result resolution
- ▶ **F 9 0** Delete all stored data
- ▶ **F 9 1** Test entire display
- ▶ **F 9 2** Test individual display segments
- ▶ **F 9 3** Test keyboard
- ▶ **F 9 4** Display version, ID No.
- ▶ **F 9 5** Memory test
- ▶ **F 9 6** PC display
- ▶ **F 9 8** Reset all settings to the factory defaults
- ▶ **F 9 9** New machine - all dimensions deleted
- ▶ **F 0 8** List of all special functions
- ▶ **F 0 9** List of languages for report generation

\* – Optional features.

## Contact

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# ALIGNEO®

## Pocket guide

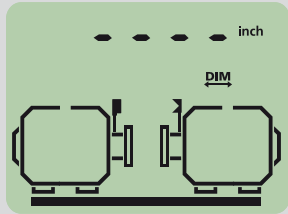
Number 1 in precision laser alignment

**db** PRÜFTECHNIK  
Alignment Systems

## 1. Dimensions



Use the data entry keys to directly enter all flashing dimensions. Confirm entered value by pressing **ENT**. Values may be corrected using **CLR**



### Dimensions to be entered include:

- ▶ Transducer (laser) to reflector (prism)
- ▶ Transducer (laser) to center of coupling
- ▶ Coupling diameter (default is 100 mm / 10")
- ▶ RPM [ optional feature ]
- ▶ Transducer (laser) to front foot (right machine)
- ▶ Front foot to back foot (right machine)

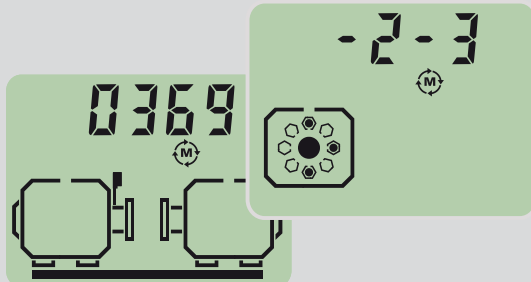
## 2. Measure



Note: The default mode is the static measurement mode.

The continuous sweep and multipoint measurement modes are optional features.

Press **M**, and center the laser beam using the reflector thumbwheel and the yellow knob until the coordinates are close to 0,0. '0369' appears on the screen. Rotate shaft to any 45° clock position. Enter the shaft clock position to take measurement – e.g. 1.30 for 45°.

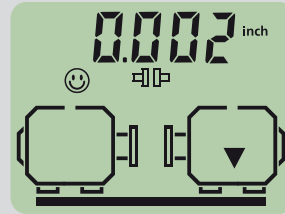


Readings from any 3 of the 8 available positions (in any order) are required for results.

## 3. Results

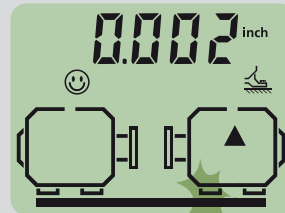


Press **Alt** to view alignment results. Coupling results are displayed when the symbol appears on the display.



Press **ENT** or **Left** or **Right** to toggle through the vertical and horizontal coupling values. These are given in form of gap and offset. Gap is positive when open at the top or side away from viewer. Offset is positive when the machine on the right hand side is higher or further from the viewer than the machine on the left side.

Feet results are displayed by pressing **Alt** until the symbol appears on the display.



Press **ENT** or **Left** or **Right** to cycle through the vertical shimming and the horizontal move corrections. The arrows indicate the direction of move or shimming. Correction is applied to blinking feet. The alignment tolerance status can be displayed using the optional tolerances feature (ALI 11.712).

- ▶ A steady smiley indicates values are within excellent tolerances
- ▶ A flashing smiley indicates values are in acceptable tolerances
- ▶ No smiley indicates values are out of tolerance



## Move

Press **Enter**. The transducer position selection screen with a blinking 'bolt dot' in all four 45° positions appears.

Press **Left** or **Right** to select the angle where the shaft will be positioned ( this could be at 45°, 135°, 225° or 315° ). Rotate shaft to this position with the aid of an external inclinometer.

Press **ENT**. The move selection view appears.

Press **Left** or **Right** to select direction of move (*H* ? [horizontal] or *V* ? [vertical]). Confirm selection by pressing **ENT**.

Adjust beam to 0,0 if necessary. When *Entr* appears on the display, press **ENT**.

Move the machine into alignment following the arrow.

The forward or rear machine feet can be selected using **Left** or **Right**.

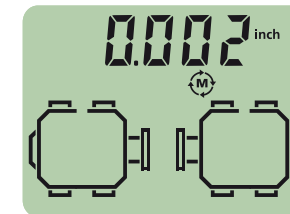
## Soft foot

Press **Alt** to check soft foot.

Position the shafts such that the transducer is at either the 3:00 o'clock or 9:00 o'clock position.

Adjust beam to 0,0. When *Entr* appears on the display, press **ENT**.

Press **Left** or **Right** to select foot to be checked, and then press **Enter** to start live measurement. Loosen the foot bolt. The calculated distance that the foot has risen is shown.



Press **ENT** to record the value, and then retighten the bolt. Repeat the procedure for each foot.

The smiley appears if within tolerance. Soft foot should be correct if greater than 0.06 mm (0.002").