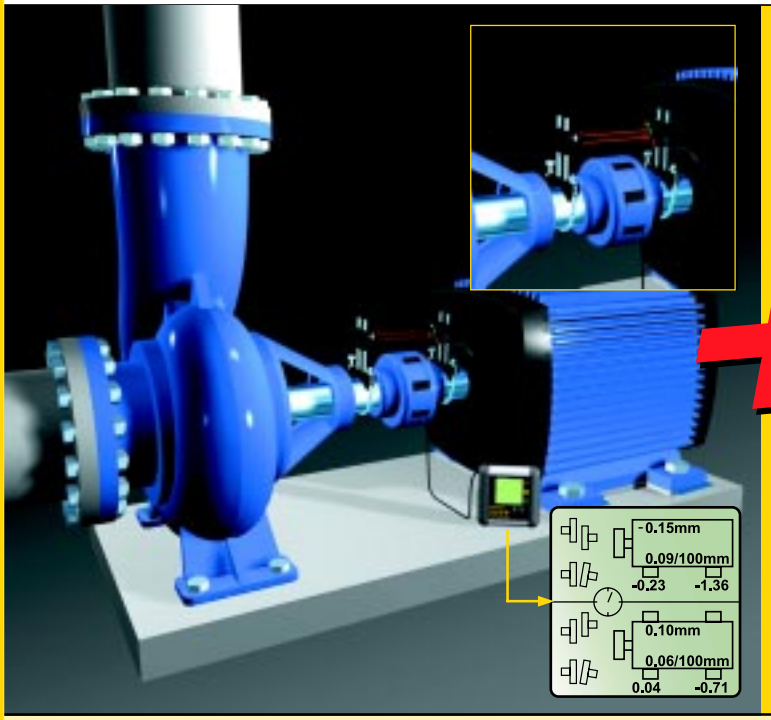
Easy-Laser®

Measurement and Alignment Systems

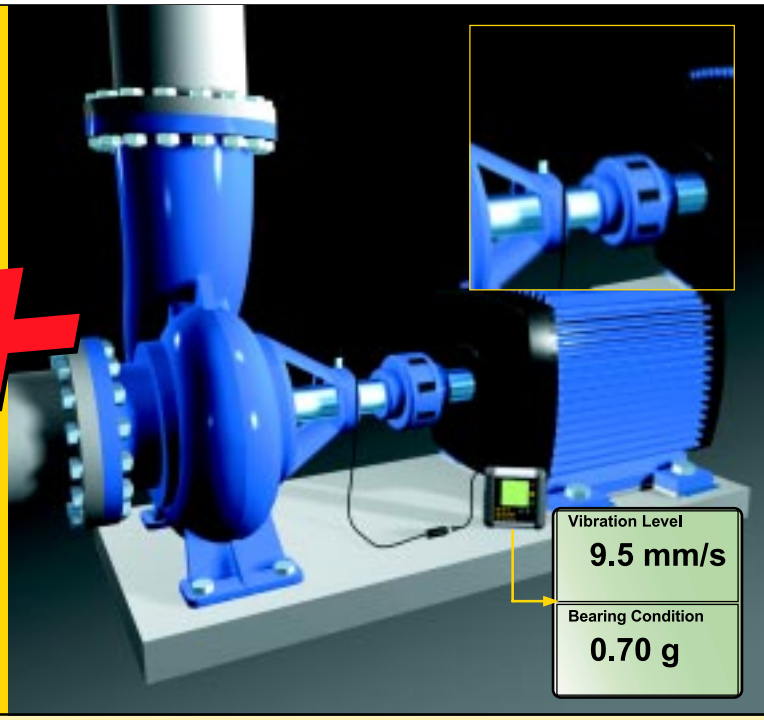
Display unit D263/D279

More functions

Our best measurement systems have become even better!



Shaft alignment



New! **Vibration measurement**

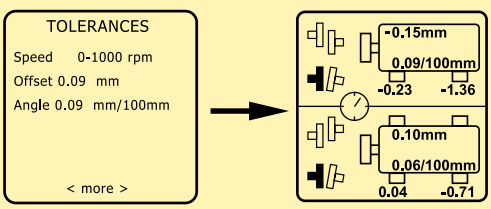
Shaft alignment+Vibration measurement

The shaft alignment systems D505 and D525 have become even more universal, with the potential to measure vibration (mm/s, inch/s) and bearing condition (g-value). As before, the systems contain all programs and functions you could want for measuring and aligning different types of rotating machinery. Using a single instrument, you now have the potential to trouble-shoot, prevent wear and breakdowns in your machines.

The readout unit has an RS232 port for connecting a printer* or for communication with a PC (the Windows® program EasyLink™ for documentation of measurement data is included).

The vibrometer probe* is contained in the same case as the measurement system. Together with all the accessories and measurement programs for shaft alignment, it is hard to find a more complete measurement system for rotating machines!

** The vibrometer probe and printer are accessories.*



*** The measurement result can be checked towards Tolerance values. Filled coupling symbol indicates that the alignment is within tolerance.*

Improved software

The shaft alignment programs clearly show in digital and graphical form the adjustable machine's position and adjustment value. The measurement values can be checked towards tolerance values**. The display then graphically shows when the alignment is within tolerance. Of course, all the measurement values are continually updated on the screen. You can now also go directly from the Softfoot program to the alignment programs and keep the entered machine distances.

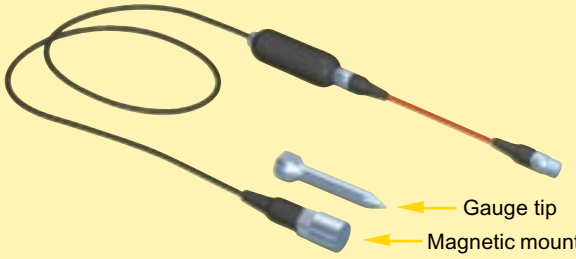
More powerful electronics

New electronics speed up measurement value calculations and updating of the screen. The internal memory is able to save 1,000 measurements. In addition, the software can easily be upgraded via the readout unit's RS232 port.

With Easy-Laser® you can carry out:

- *Shaft alignment*
- *Sheave/Pulley alignment*
- *Vibration measurement*
- *Bearing condition checks*
- *Geometrical measurements*

Vibrometer probe



Technical specifications; vibration measurement

Instrument

Measurement range	0–50 mm/s [0–2 inch/s] RMS
Resolution	0.1 mm/s [0.01 inch/s]
Frequency range	Total level: 10–3200 Hz, 2–3200 Hz RMS Bearing condition: 3200–20000 Hz RMS

Measurement probe (accelerometer)

Sensitivity	100 mV/g +/-10%
Magnetic mounting	Length 20 mm, Diameter15 mm
Magnetic force	appr. 14 kg
Gauge tip	Length 65 mm

Vibration standard

The measurement complies with vibration standard ISO10816-3.

Display units D279

Replaces D172 and D208

Connectors are countersunk for protection against external damage.

Battery cover.

Changes in technical data, miscellaneous

Display unit

Internal memory	The D279 display unit can save up to 1,000 shaft alignment measurements.
Program capacity	Flash memory with the potential to upgrade the measurement programs via the RS232 port.

Measurement programs

The Easy-Laser® systems have a large number of programs for all types of measurement, such as shaft alignment, geometrical measurements, digital sheave/pulley alignment and now also vibration measurement. Read more about the individual measurement programs and systems in our complete brochures.

21 programs in measurement system: D525, D600, D630, D650, D660, D670, D800.

11 programs in system D505.

Horizontal 9–12–3	Straightness
Softfoot	Flatness
EasyTurn™	Squareness
Cardan	Parallelism
Vertical	Spindle direction
Machine train	Center of circle
RefLock™	Half-Circle
Thermal growth compensation	Plumb line
Offset and angle	Flange
Values	BTA digital
Vibrometer *New!*	

CE

This product complies with: SS-EN60825-1-1994, 21 CFR 1040.10 and 1040.11

CAUTION
LASER RADIATION
DO NOT STARE INTO BEAM
DIODE LASER
1 mW MAX OUTPUT AT 670 nm
CLASS II LASER PRODUCT

05-0208 Rev 1