

tab@lign[®]

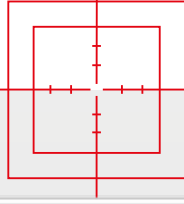
Laser shaft alignment goes mobile



- Mobility – Shaft alignment for tablets and smart phones
- Connectivity – Email measurement reports on the spot
- Convenience – Compact case, fully wireless

Lifting the boundaries for infinite freedom

tab@lign® – mobile, connected, convenient



Shaft alignment at your fingertips

tab@lign® is a unique laser shaft alignment solution for tablets and smart phones. Supporting both Apple and Android mobile devices, tab@lign® offers unprecedented mobility, connectivity and convenience.

Perfect for performing standard shaft alignment including quick alignment checks on machines such as a motor-pump combination, tab@lign® offers the same intuitive operation as with other PRUFTECHNIK alignment systems.

tab@lign® comprises the app, the measurement components and a Bluetooth® module for wireless communication. The app runs on everyday mobile devices. A rugged industrial tablet with glove-enabled touchscreen is available as an additional option.

As with all products from PRUFTECHNIK, tab@lign® inherits the high accuracy and quality that have always been our standard. Simply download the app and go!

Key benefits of tab@lign®

tab@lign® boosts the efficiency of shaft alignment through:

- ▶ Fully mobile and wireless laser alignment system
- ▶ App-based user interface with touch operation
- ▶ Automatic tolerances
- ▶ Instant sharing of clear single-page graphical report via email

Mobility

Built on the latest mobile communication technologies, this solution makes laser shaft alignment available to on-site maintenance and service teams exactly where and when they need it.

Connectivity

Enjoy shaft alignment in a mobile dimension: display and update work orders, check emails, take snapshots, measure and display correction results, send out reports, and much more. Combined with all the information, tools and applications required for the maintenance job on one single multi-functional platform, shaft alignment has never been so integrated.

Convenience

Shaft alignment on mobile devices means greater flexibility and availability. But there is even more to tab@lign®. With a compact carrying case and an app-based user interface with touch operation, tab@lign® is perfect for service technicians on the go.

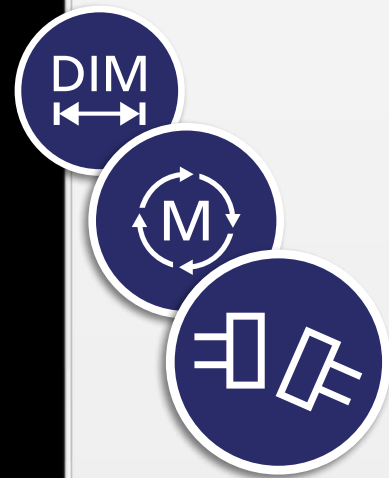


tab@lign® features at a glance



3 steps to alignment

- ▶ Enter dimensions
- ▶ Rotate shafts
- ▶ Display measurement result



Equipped with the PRUFTECHNIK OS3 single-laser technology, tab@lign® delivers accurate and repeatable measurement results.

Bluetooth® communication

The wireless module enables convenient data transmission for a fully cable-free system operation.

Active Clock measurement

During shaft rotation, measurements are automatically taken at 3 sensor positions. The activated electronic MEMS inclinometer eliminates possible user error.

Soft foot

Measure, correct and save soft foot results.

Automatic tolerances

Smileys show the alignment condition based on the tolerances.

Results and Live Move

Horizontal, vertical coupling and feet results are graphically displayed. Arrows show the necessary feet corrections. During Live Move, tab@lign® monitors the horizontal changes live on the screen.

Reporting

A PDF report showing the alignment condition as found and as left can be sent immediately. Additional asset data and an application photo may be included.

Upgrade

Seamless upgrade to SHAFTALIGN® OS3.

tab@lign[®] technical data

Transducer	
	Measurement principle: Coaxial, reflected laser beam
	Environmental protection: IP 67 (submersible, dustproof)
	Ambient light protection: Optical and active electronic digital compensation
	Storage temperature: -20°C to 80°C [-4°F to 176°F]
	Operating temperature: -10°C to 55°C [14°F to 131°F]
	Dimensions: approx. 107 x 70 x 49 mm [4 1/4" x 2 3/4" x 2"]
	Weight: approx. 177 g [6 1/2 oz.]
Laser	Type: Semiconductor laser diode
	Wavelength (typical) 675 nm (red, visible)
	Safety class: Class 2, IEC 60825-1:2007
	Beam power: < 1 mW
	Safety precautions: Do not look into laser beam
Detector	Resolution: 1 µm; Accuracy (avg): > 98%
Inclinometer	Measurement range: 0° to 360°; Resolution: < 0,1°
CE conformity	EC guidelines for electric devices (73/23/EEC) and those relating to electromagnetic compatibility (2004/108/EC) are fulfilled
Reflector	
	Type: 90° roof prism; Accuracy (avg): > 99%
	Environmental protection: IP 67
	Storage temperature: -20°C to 80°C [-4°F to 176°F]
	Operating temperature: -20°C to 60°C [-4°F to 140°F]
	Dimensions: approx. 100 x 41 x 35 mm [4" x 1 5/8" x 1 3/8"]
	Weight: approx. 65 g [2 1/2 oz.]

Bluetooth[®] module	
Class 1 connectivity, transmitting power	100 mW
Transmission distance	Up to 30 m [98 ft.] direct line of sight
Compliance	FCC rules part 15.247
LED indicators	1 LED for wireless communication, 3 LEDs for battery status
Power supply	Batteries 2 x 1.5 V IEC LR6 ("AA")
Operating time	17 hours typical use (based upon an operating cycle of 50% measurement, 50% standby)
Operating temperature	-10°C to 50°C [14°F to 122°F]
Environmental protection	IP 65 (dustproof and water spray resistant), shockproof
Dimensions	Approx. 81 x 41 x 34 mm [3 1/8" x 1 11/16" x 1 5/16"]
Weight	Approx. 133 g [4.7 oz.] including batteries and cable
Device	
Apple	Compatible with iPhone 4, iPhone 4s, iPhone 5, iPhone 5c, iPhone 5s, iPhone 6, iPhone 6 Plus, iPod touch (5th generation), iPad 2, iPad (3rd & 4th generation), iPad Air, iPad Air 2, iPad mini (1st generation), iPad mini 2, iPad mini 3
Android	Requires version 4.0 or higher; Optimised for certain devices. For further details view www.pruftechnik.com
Carrying case	
Case dimensions:	approx. 390 x 300 x 110 mm [15 23/64" x 11 13/16" x 4 21/64"]
Weight, including all standard parts:	approx. 2,7 kg [6 lb]



PRUFTECHNIK provides solutions in the following areas:



Alignment Systems



Condition Monitoring



Nondestructive Testing



Service & Support

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