

tab@lign[®]

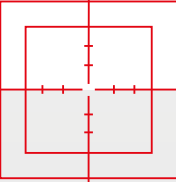
Laser shaft alignment goes mobile



- 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.

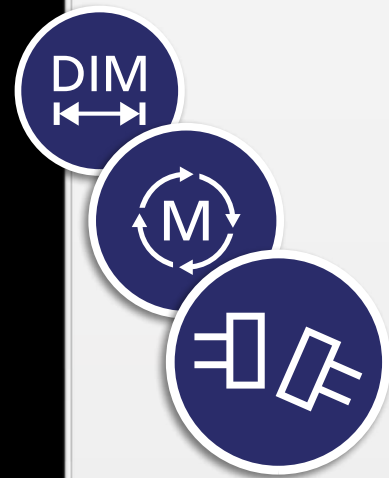


tab@lign® features at a glance



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		Bluetooth® module		
	Measurement principle: Coaxial, reflected laser beam	Class 1 connectivity, transmitting power	100 mW	
	Environmental protection: IP 67 (submersible, dustproof)	Transmission distance	Up to 30 m [98 ft.] direct line of sight	
	Ambient light protection: Optical and active electronic digital compensation	Compliance	FCC rules part 15.247	
	Storage temperature: -20°C to 80°C [-4°F to 176°F]	LED indicators	1 LED for wireless communication, 3 LEDs for battery status	
	Operating temperature: -10°C to 55°C [14°F to 131°F]	Power supply	Batteries 2 x 1.5 V IEC LR6 ("AA")	
	Dimensions: approx. 107 x 70 x 49 mm [4 1/4" x 2 3/4" x 2"]	Operating time	17 hours typical use (based upon an operating cycle of 50% measurement, 50% standby)	
	Weight: approx. 177 g [6 1/2 oz.]	Operating temperature	-10°C to 50°C [14°F to 122°F]	
Laser	Type: Semiconductor laser diode	Environmental protection	IP 65 (dustproof and water spray resistant), shockproof	
	Wavelength (typical) 675 nm (red, visible)	Dimensions	Approx. 81 x 41 x 34 mm [3 1/8" x 1 11/16" x 1 5/16"]	
	Safety class: Class 2, IEC 60825-1:2007	Weight	Approx. 133 g [4.7 oz.] including batteries and cable	
	Beam power: < 1 mW	Device		
	Safety precautions: Do not look into laser beam	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	
Detector	Resolution: 1 µm; Accuracy (avg): > 98%	Android	Requires version 4.0 or higher; Optimised for certain devices. For further details view www.pruftechnik.com	
Inclinometer	Measurement range: 0° to 360°; Resolution: < 0,1°	Carrying case		
CE conformity	EC guidelines for electric devices (73/23/EEC) and those relating to electromagnetic compatibility (2004/108/EC) are fulfilled	Case dimensions:	approx. 390 x 300 x 110 mm [15 23/64" x 11 13/16" x 4 21/64"]	
Reflector		Weight, including all standard parts:	approx. 2,7 kg [6 lb]	
	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.]			

PRUFTECHNIK provides solutions in the following areas:



Alignment Systems



Condition Monitoring



Nondestructive Testing



Service & Support

tab@lign® and SHAFTALIGN® are registered trademarks of PRUFTECHNIK Dieter Busch AG. No copying or reproduction of this information, in any form whatsoever, may be undertaken without express written permission of PRUFTECHNIK Dieter Busch AG. The information contained in this leaflet is subject to change without further notice due to the PRUFTECHNIK policy of continuous product development. PRUFTECHNIK products are subject to patents granted or pending throughout the world. ISO 9001:2008 certified.
© Copyright 2015 by PRUFTECHNIK Dieter Busch AG.



**Rotating
Equipment
Consultants**
200 West 34th Avenue, Suite 1017
Anchorage, Alaska 99503
Phone 907-522-2411 • Fax 907-522-2412
www.terntech.com



PRUFTECHNIK
Condition Monitoring GmbH
Oskar-Messter-Str. 19-21
85737 Ismaning, Germany
Tel.: +49 89 99616-0
Fax: +49 89 99616-200
info@pruftechnik.com
www.pruftechnik.com
A member of the PRUFTECHNIK group