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
Shaft alignment at your fingertips

tab@lign® is a unique laser shaft alignment solution for tablets and smartphones. 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 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®

- 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.
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tab@lign® features at a glance

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.

**3 steps to alignment**
- Enter dimensions
- Rotate shafts
- Display measurement result

**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.
### 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%
- **Inclinator 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**

### Bluetooth module
- **Class 1 connectivity, transmitting power:** 100 mW
- **Transmitter 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”) or 3 x 1.5 V IEC LR6 (“AA”)
- **Operating time:** 17 hours typical use (based upon 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

### 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.]

### PRÜFTECHNIK provides solutions in the following areas:

**Alignment Systems**
**Condition Monitoring**
**Nondestructive Testing**
**Service & Support**