

TKSA 41 Wireless laser shaft alignment system

Wireless laser shaft alignment system



The TKSA 41 has two wireless measurement units, large sized detectors and powerful lasers. The instrument performs precise measurements in even most challenging industrial environments. The easy to use display device helps users to quickly check and correct shaft alignments and improve the machine performance and reliability.

- Intuitive touch display device for usage in industrial environments
- Wireless measuring units allow easy handling and more measurement flexibility
- Measurement positions can be chosen freely and only 90° shaft rotation is required.
- Live view supports all alignment measurements and corrections
- Automatic alignment reports are saved in the machine library and can be customised with notes, pictures and QR code. All reports can be exported as pdf.
- The built-in camera allows pictures to be taken for reports. Machine identification with automatic QR code identification and machine pictures in the library.

Overview

Dimensions

Maximum coupling height	105 mm
Maximum coupling height with extension	195 mm
Total product weight	5.33 kg

Properties

Alignment methods	3 position measurement -3 automatic (only 90° shaft rotation needed) Free
Recommended applications	Horizontal shafts Soft foot
Live correction values	Vertical and horizontal
Special features	Machine library Built-in photo camera reading QR code Screen orientation Automatic .pdf report

Sensors	29 mm CCD Inclinometer	±0.5°
Communications	Bluetooth 4.0 LE or wired with USB cables	
Measurement distance	0.07 to 4 m	
Measuring error (percent)	0.5 %	
Material	Display unit: High impact PC/ABS plastic with over mould Measurement units: glassfibre-filled PC	
Battery	Measuring units: rechargeable 2000 mAh LiPo batteries Display unit: rechargeable LiPo battery	
Battery life	8 h	
Operating temperature range	0 – 45 °C	
Display	5.6" colour resistive touchscreen LCD display	
Software update	Via USB stick	
Laser type	Red line	
Mounting	2x V-brackets (width 21 mm) with chains	
Shaft diameter	20 to 150 mm	
Shaft diameter with extension	Up to 300 mm with optional extension chains (not included)	
Power adapter	Input: 100V-240V, 50/60Hz AC with country adapters for EU, US, UK, AUS included Output: DC 12V 3A	
Degree of protection (IP)	IP 54	
Certifications	Calibration certificate (2 years validity)	
Part of a kit	no, but also available as TKSA 41/KIT360	
Case dimensions (l x h x w)	530 x 110 x 360 mm (20.9 x 4.3 x 14.2 in.)	
Content	Set of 2 Measuring units (M and S) Display unit Set of 2 shaft	

brackets with chains 400 mm (15.8
in) and threaded rods 150 mm (5.9
in)
Set of 90 mm (3.5 in) extension rods
Chain tightening
with various country adapters
Set of 8 cables
Measuring tape with 6 QR code stickers
Set of per sheet (total of 12
stickers)
Certificate of calibration
Quickstart
SKF carrying case

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