

SKF TKSA 41

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.



Technical specifications

Properties	
Alignment methods	3 position measurement 9 -12 -3;Automatic measurement;Free measurement (only 90° shaft rotation needed)
Recommended applications	Horizontal shafts;Soft foot
Live correction values	Vertical and horizontal
Special features	Machine library;Built-in photo camera;QR code reading;Automatic .pdf report
Sensors	29 mm CCD;Inclinometer $\pm 0.5^\circ$
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: glassfiber filled PC
Battery	Measuring units: rechargeable 2000 mAh LiPo batteries;Display unit: rechargeable 5000 LiPo battery
Battery life	8 h
Operating temperature range	Array $^\circ\text{C}$
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 - 150 mm
Shaft diameter (with extension chains)	Up to 300 mm with optional extension chains (not included)
Maximum coupling height	105 mm
Maximum coupling height with extension	195 mm
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
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 4 threaded extension rods 90 mm (3.5 in);Chain tightening rod;Power supply with various country adapters;Set of 2 USB cables;Measuring tape;Set of 2, A5 sheets with 6 QR code stickers per sheet (total of 12 stickers);Certificate of calibration and conformance;Quick start guide;SKF carrying case

Logistics	
Product net weight	4.72 kg
eClass code	23-05-19-01
UNSPSC code	41112202