

SKF TKSA 31

Wired laser shaft alignment system



The TKSA 31 has an ergonomic display unit with touch screen which makes the instrument very easy to use. The built-in machine library helps storing alignment reports for multiple machines. Large sized laser detectors in the measuring heads reduce the need for pre-alignments. The embedded soft foot tool helps establish the foundation for a successful alignment. Additional functions are live view and automatic measurement.

Technical specifications

Properties	
Alignment methods	3 position measurement 9 -12 -3 (140° shaft rotation needed);Automatic measurement
Recommended applications	Horizontal shafts;Soft foot
Live correction values	Vertical and horizontal
Special features	Machine library;Automatic .pdf report
Sensors	29 mm CCD;Inclinometer $\pm 0.5^\circ$
Communications	Wired with USB cables
Measurement distance	0.07 to 2 m (up to 4 m with USB extension cables)
Measuring error (percent)	0.5 %
Material	Display unit: High impact PC/ABS plastic with over mould; Measurement units: glassfiber filled PC
Battery	Measuring units: no batteries;Display unit: rechargeable 5000 mAh LiPo battery
Battery life	7 h
Operating temperature range	Array °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 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
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);Chain tightening rod;Power supply with various country adapters;Set of 2 USB cables;Measuring tape;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