

SKF TKRS 41

High performance stroboscope



The SKF Stroboscope TKRS 41 is a high performance stroboscope with 118 ultra-bright LEDs for visual inspection of running machines. The instrument offers extreme brightness in a portable housing. The TRKS 41 features a built-in laser tachometer and input channel to trigger the flash. The instrument can be operated using the built-in rechargeable battery or continuously using the supplied power adapter.

- Extreme luminescence with 118 ultra-bright LEDs
- Portable operation with built-in rechargeable battery
- Continuous operation for long term inspection with power adapter
- Flash synchronization from laser tachometer or trigger input
- Supplied in a sturdy carrying case with charger, connector set, trigger plug and reflective tapes included

Performance

Flashrate (in Flashes per Minute)	30 – 300000 FPM
Light power at 0.3 m (12 in) distance	743 fc
Brightness (flash duration, in degrees)	0.025 – 3 °

Properties

Recommended applications	Used for visual inspection of rotating machines with e.g. bearings, gears, belts, fans and chains; Also used in textile industry for inspection of patterns
Flash source	118 LED's
Color of light	5000 – 8000 K
Laser speed measurement	Yes
Phase shift	Yes with slow motion function
Display	LCD Monochrome with LED backlighting
Software features	Flash mode, Tachometer mode, External trigger mode
External trigger range (in Flashes per Minute)	0 – 300000 FPM
External trigger connection	Plug: 5-pin plug DIN 41524 (included); Input: 3–30 V, max. 5 mA, potentialfree optocoupler
Signal modification	Edge selection; Multiplier; Divider; Delay
Auto switch off	15 min
Tripod connector	Yes, (1/4-20 UNC)
Housing material	Aluminium
Colour	Blue; Black

Battery	Rechargeable Li-ion battery, continuous operation with power adapter (included)
Battery life	2.5 h
Power adapter	110–230 V, 50/60 Hz, EU/US/UK/AUS plugs
Instrument dimensions	5.1 x 6.0 x 10.6 in
Instrument weight	2.54 lb
Degree of protection (IP)	IP 30
Operating temperature range	32 – 104 °F
Recommended storage temperature	14 – 122 °F
Relative humidity	10 to 90%, non-condensing
Case dimensions (l x h x w)	13.6 x 6.5 x 10.6 in
Content	Stroboscope; Rubber protectors (TKRS 41-PROT); Battery charger (TKRS 41-CHARG); Reflective tape (TKRT -RTAPE); External trigger plug; Instructions for use (MP5488); 1x Carrying case

Logistics

Country of Manufacturing (COM code)	18 - Germany
Product net weight	5.51 lb
eClass code	23-05-19-01
UNSPSC code	41112202

Compatible products

Type	Designation	Description	Qty
Spare part	TKRS 41-CHARG	Spare charger and power adapter for High performance stroboscope	1
Spare part	TKRS 41-PROT	Spare rubber side protectors for High performance stroboscope, 2 pcs.	1
Refill	TKRT-RTAPE	Spare reflective tape for Tachometers	1