



SKF TKRS 31

Advanced LED/laser stroboscope

The SKF Stroboscope TKRS 31 is a compact and advanced stroboscope for visual inspection of running machines. The instrument features a built-in laser tachometer to measure the rotation speed and automatically synchronizes the flash for instant sharp images. The input/output channel can be used to control the flash with an input signal or output the tachometer signal to other devices. The pro operating mode offers the user more advanced functions such as advanced signal modifications or automatic slow motion phase shift.

Technical specifications

Performance	
Light power at 0.3 m (12 in) distance	5600 lx
Brightness (flash duration, in degrees)	Array °
Flashrate (in Flashes per Minute)	Array FPM
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	6 LED's
Color of light	Array K
Laser speed measurement	Yes
Phase shift	Yes with slow motion function
Display	LCD Color with LED backlighting
Software features	Flash mode, Tachometer mode, External trigger mode
External trigger range (in Flashes per Minute)	Array FPM
External trigger connection	Plug: 3.5 mm (included);Input: 3-30 V, max. 5 mA (NPN);Output: up to 30 V, max. 50 mA (NPN)
Signal modification	Edge selection;Multiplier;Divider;Delay
Auto switch off	10 min, 5 min, off
Tripod connector	Yes, (1/4-20 UNC)
Housing material	PC/ABS blend, overmoulded with TPU rubber
Colour	Blue;Dark Grey
Battery	3x AA (Alkaline (incl.) or Rechargeable)
Battery life	3.75 h
Power adapter	No
Instrument dimensions	78 x 225 x 50 mm
Instrument weight	300 g
Degree of protection (IP)	IP 30
Operating temperature range	Array °C
Recommended storage temperature	Array °C
Relative humidity	10 to 90%, non-condensing
Case dimensions (l x h x w)	260 x 85 x 180 mm
Content	Stroboscope;3x AA batteries;Reflective tape (TKRT -RTAPE);External trigger plug (TKRS 31-PLUG);Instructions for use (MP5487);1x Carrying case (size A)
Logistics	
Product net weight	0.82 kg
eClass code	23-05-19-01
UNSPSC code	41112202