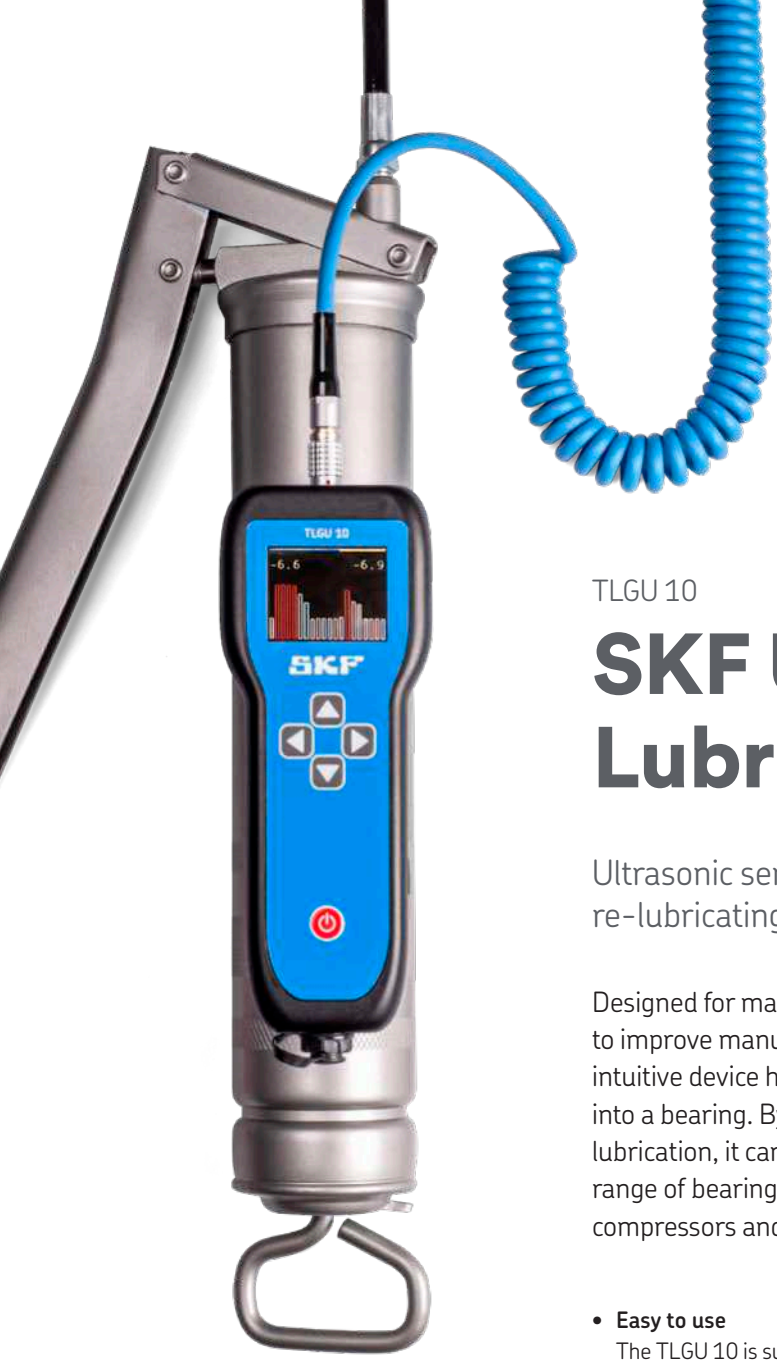


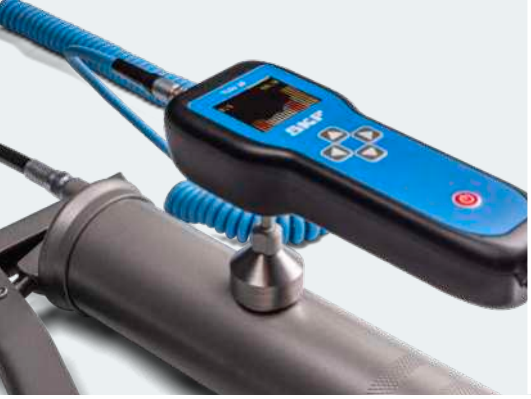
TLGU 10

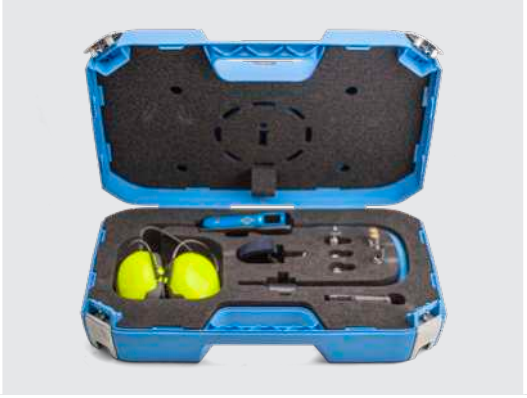
SKF Ultrasound Lubrication Checker

Ultrasonic sensor improves maintenance practices when re-lubricating bearings

Designed for maintenance technicians, the TLGU 10 uses ultrasonic technology to improve manual re-lubrication. When connected to a grease gun, the intuitive device helps a technician to dispense the correct amount of lubricant into a bearing. By overcoming the problems associated with over- or under-lubrication, it can help to extend bearing life. The device is recommended for a range of bearing applications including electric motors, pumps, fans, compressors and conveyors.

- **Easy to use**
  The TLGU 10 is supplied as a kit. Combining sound with visual displays helps the technician to re-lubricate with maximum accuracy.
- **Saves cost**
  As well as avoiding over-lubrication – and excess grease costs – the added accuracy improves the reliability of a customer's assets.
- **Increases reliability and accuracy**
  Rather than using theoretical models or experience, a technician is given accurate, real-time guidance on the progress of the re-lubrication process.
- **Extends bearing life**
  Accurate re-lubrication leads to optimum bearing performance, which reduces the likelihood of wear and failure.





SKF Ultrasound Lubrication Checker

Re-lubrication is critical to extending the life of bearings yet is often carried out based on experience. The TLGU 10 makes re-lubrication a more practical, condition-based process, by delivering the correct amount of lubricant to a bearing at the right time.

The device is simple to use, and relies on a robust, repeatable ultrasound sensor that is optimised for harsh conditions. The sensor monitors the sound of lubricant filling the bearing. Once connected to a grease gun, the TLGU 10 allows a technician to listen to this sound, via headphones. The sound changes abruptly at the point where the correct amount of lubrication has been applied. In addition, a coloured display indicates noise levels for ease of use.

The combination of sound and visual display helps technicians to re-lubricate quickly and accurately – with the right amount. Under-lubrication can cause premature bearing failure or allow contaminants into the bearing. Over-lubrication is wasteful and expensive and can cause serious complications. Both over- and under-lubrication can reduce bearing lifetime.

The TLGU 10 helps technicians to deliver the optimum amount of lubricant in order to maximise bearing performance and lifetime.

Note: *The grease gun is not included in the scope of delivery of TLGU 10. SKF offers a range of grease guns which can be purchased separately.*

Technical data

Designation	TLGU 10
General	
Description	Ultrasound lubrication detector
Measurement channel	1 channel via a 7 pole LEMO connector
Display	160x128 pixels Color OLED
Keyboard	5 function keys
Measuring range	-6 to 99.9 dBµV (reference 0 dB = 1 µV)
Resolution	0.1 dB
Measurement	Bandwidth 35 to 42 kHz
Signal amplification	+30 to +102 by step of 6 dB
Audio	
Amplification	5 adjustable positions in steps of 6 dB
Maximum output	+83 dB SPL with supplied headset
Headset	25 dB NRR Peltor HQ headset
Headset connector	Stereo jack connector of 6.35 mm (*1/4 in*)
Power	
Battery	2 AA batteries
Battery life	7 hours
Environmental	
Operating temperature	From –10 to +50 °C (*14 to 122 °F*)
IP rating	IP42
Mechanical	
Housing material	*ABS*
Dimensions instrument	158 × 59 × 38,5 mm (*6.22 × 2.32 × 1.51 in*)
Flexible rod length	445 mm (*17.51 in*)
Weight instrument	164 g (*5.78 lb*)
Carrying case dimensions	530 × 110 × 360 mm (*20.9 × 4.3 × 14.2 in*)
Total weight (incl. case, sensor and 2 AA batteries)	3 kg (*6.6 lb*)

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