

SKF



SKF TKED 1

Instructions for use

EC Declaration of conformity

We, SKF Maintenance Products, Kelvinbaan 16,
3439 MT Nieuwegein, declare that the

SKF TKED 1

is designed and manufactured in accordance with European Directive 2004/108/EC of the European Parliament and of the Council of 15 December 2004 on the approximation of the laws of the Member States related to electromagnetic compatibility and repealing Directive 89/336/EEC and conforms with:

EN 61326 - 1:2006
EN 61000 - 6-3:2007
EN 61000 - 4-2
EN 61000 - 4-3*
EN 61000 - 4-8

*with the exception of the electromagnetic field immunity in the frequency range of 80 MHz to 300 MHz at 2.5 V/m, where the instrument is sensitive to the electromagnetic field.

The Netherlands, 06 October 2008

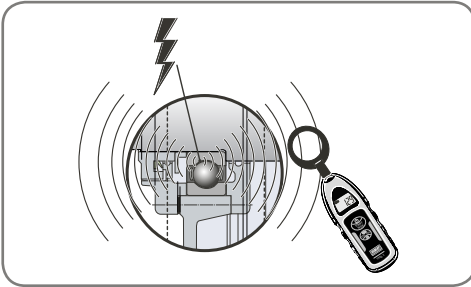
CE



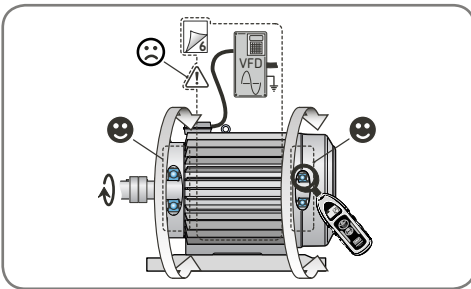
Sébastien David
Manager Product Development and Quality

Instructions for use

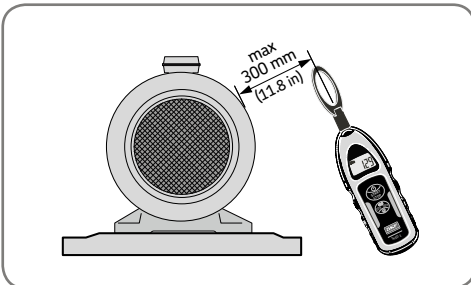
1. TKED 1 detects electrical discharge within the frequency range of 50 MHz to 200 MHz:



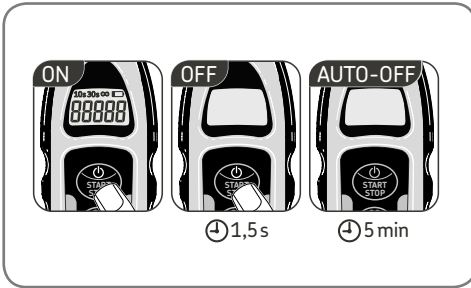
2. Use the TKED 1 as close as possible to the bearing location to perform a detection. Avoid the vicinity of the cables and the Variable Frequency Drive (VFD) controller, which could induce some disturbances:



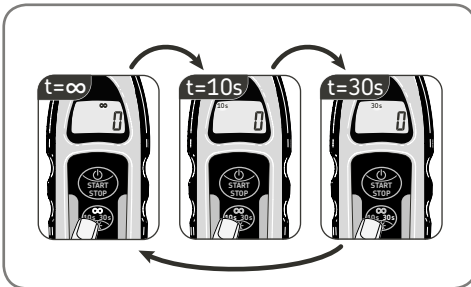
3. The maximum measuring distance is 300 millimetres (11.8 inches):



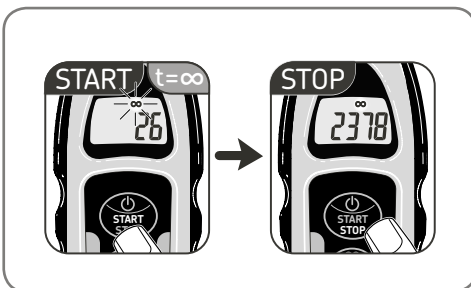
- Press on/off button to switch the unit on.
Press on/off button during 1.5 seconds to switch the unit off.
The unit switches automatically off after 5 minutes if no buttons are pressed:



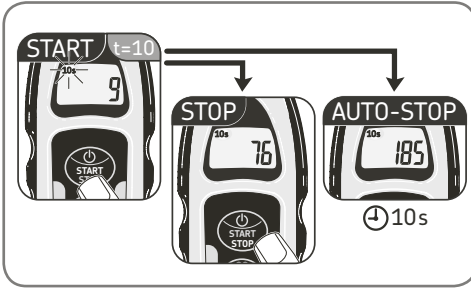
- Press the sampling time mode to toggle between the default measuring time (infinite, 10 or 30 seconds):



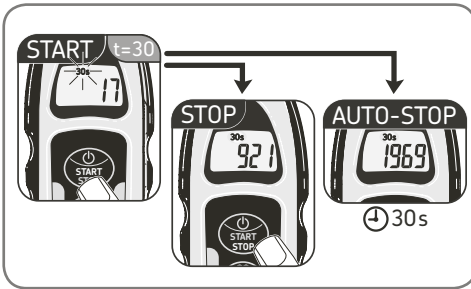
- If the measuring time selected is infinite: press the start/stop button once to begin the measurement, and press the start/stop button once again to stop the measurement:



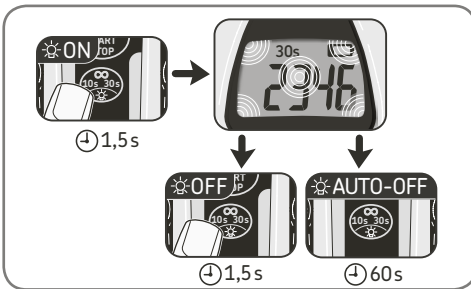
7. If the sampling time selected is 10 seconds: press the start/stop button once to begin the measurement. The measurement will stop after 10 seconds, or if the start/stop button is pressed again:



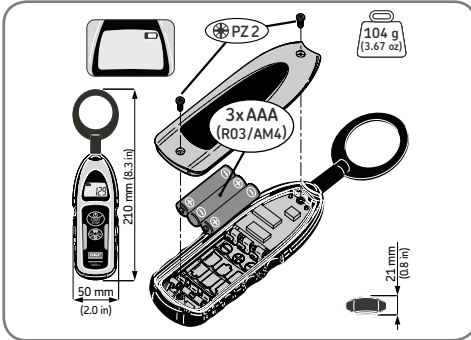
8. If the sampling time selected is 30 seconds: press the start/stop button once to begin the measurement. The measurement will stop after 30 seconds, or if the start/ stop button is pressed again:



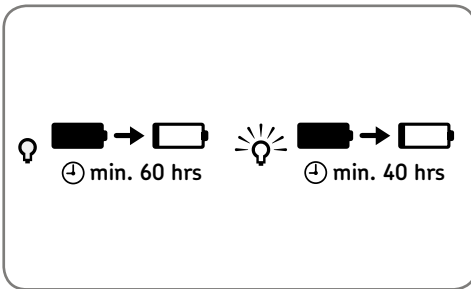
9. To enable/disable the backlit, press the key displaying the light symbol during 1.5 seconds. The backlit will stop automatically after 60 seconds.



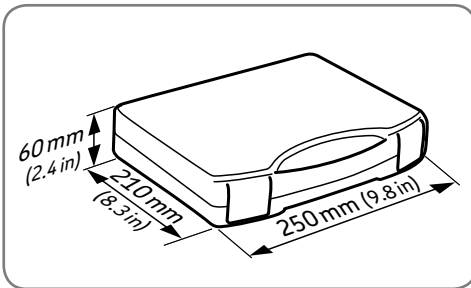
10. When the low battery symbol is displayed on the screen, replace the batteries (3 x Alkaline AAA). To access the battery compartment, use a PZ2 screwdriver.



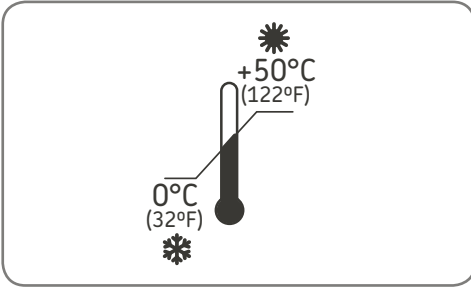
11. Battery life time is
- 60 hours without the backlit on
 - 40 hours with the backlit on:



12. Case dimensions:

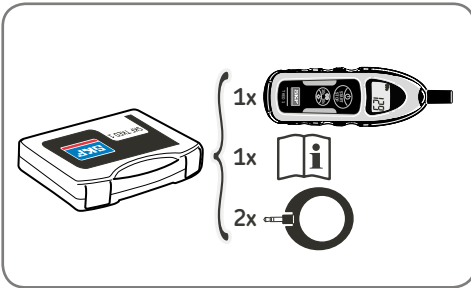


13. Storage and service temperature:

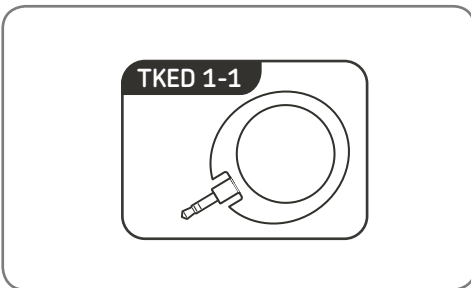


14. Content of the kit:

- one TKED 1 display unit
- one instruction MP5355
- two identical antenna's



15. Spare part designation:



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SKF Maintenance Products

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MP5355E-1

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