

Bearing overheating costs time and money

Accurate SKF Thermometers will help you reduce these costs

Too much deviation in an application's temperature can be an indication of upcoming machinery failure. Therefore, accurate temperature monitoring of bearings and machinery provides you with valuable information about your application's operating conditions. That allows you to intervene before problems occur, saving you the cost and time of unplanned downtime.

SKF's range of thermometers offers you high degree of measurement accuracy combined with simplicity.





General-purpose thermometer, ThermoPen TMTP 200

The SKF ThermoPen is a user-friendly, durable pocket size thermometer. Its sturdy flexible probe tip ensures effective surface contact for highly accurate temperature measurement. Since no maintenance engineer should work without one, the ThermoPen is supplied with a handy pouch with belt clip for protection and portability.

- Compact, ergonomic design
- Wide measurement range, from -40 to 200 °C (-40 to 392 °F)
- Temperature reading selection in °C or °F
- Flexible probe tip for better contact surface, providing high measuring accuracy
- Dust tight and water resistant, rated IP 65
- Maximum temperature function allows temperature peak hold
- Auto power off function
- Ultra low power consumption



Intrinsically Safe ThermoPen TMTP 200Ex

The SKF ThermoPen is also available in an intrinsically safe (Ex) version, especially designed for use in explosive hazardous areas. The Intrinsically Safe ThermoPen has been tested and approved for use in high-risk areas, such as:

- Underground as well as surface sections of mines
- Areas where explosive atmospheres caused by mixtures of air and gasses, vapours or mists are present
- Areas where explosive atmosphere caused by a mixture of air and dust is present
- Intrinsically safe; one of few thermometers approved for use in the highest risk areas
- Certified confirming to ATEX, EC type examination ISSeP02ATEX054X
- Approvals:
 - Mining I M1 EEx ia I
 - Other areas II 1GD EEx ia IIC T4 IP 65





Non-contact thermometer, ThermoLaser TMTL 260

Lightweight and compact, the SKF ThermoLaser utilises advanced class II laser beam for accurate aiming and an infrared detector for measuring temperature. The ThermoLaser is extremely user-friendly - simply aim, pull the trigger and read the temperature on the large backlit display. No contact with hot surfaces or moving parts means safer, faster and easier temperature measurement. Additionally, the ThermoLaser allows temperature measurement where contact with a conventional temperature probe should be avoided to prevent surface contamination, making it ideal to use for measuring temperature of food processing applications.

- Safely measures the temperature of hot, hazardous or hard-to-reach objects
- The large backlit LCD holds temperature reading for 7 seconds
- Wide measurement range, from -18 to 260 °C (0 to 500 °F)
- Temperature reading selection in °C or °F
- Distance to Spot size (D:S) is 6:1
- Visible Class II Laser



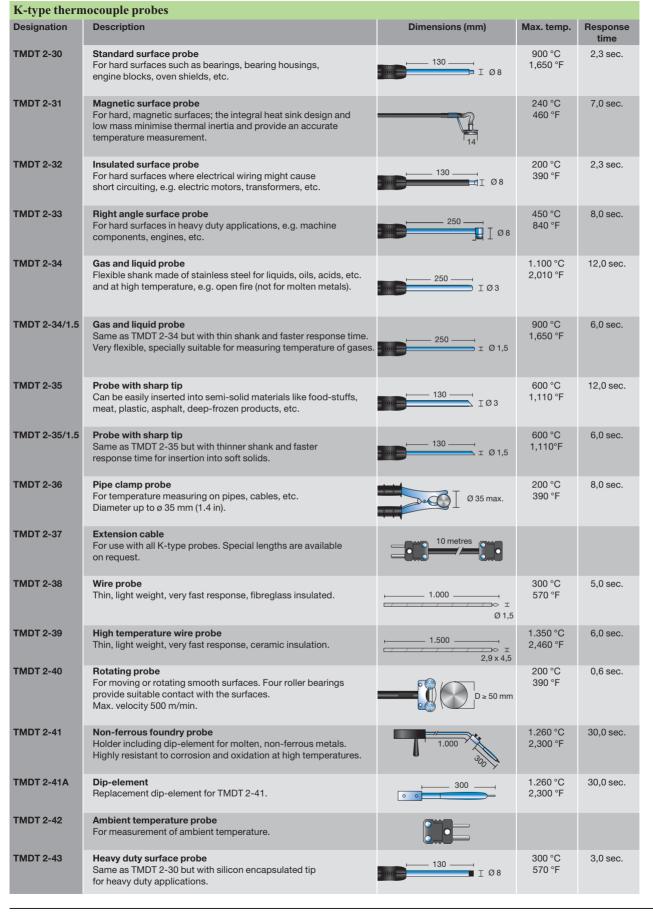
Dual channel digital thermometer TMDT 1300

The SKF TMDT 1300 is a high quality dual channel thermometer, which is equipped with a sensitive microprocessor allowing a high degree of temperature measurement accuracy. The thermometer is equipped with many functions such as hold maximum reading and difference between temperature 1 and temperature 2. The TMDT 1300 has an analogue output for data logging or use in combination with a temperature recorder. A flexible rubber sleeve protects the housing of the TMDT 1300 and its electronics in case of impact.

- Wide temperatures measurement range, between -50 up to 1300 °C (-50 to 1999 °F)
- Display resolution is selectable, between 0,1 and 1°
- Temperature reading in °C or °F
- Large display allows easy and clear temperature reading
- High electronics accuracy
- A flexible rubber sleeve protects the housing, and thereby protecting the electronics in case of impact
- Retractable support allows the TMDT 1300 to stand on its own, freeing the operator's hands during temperature measurement
- Suitable for use with all SKF K-type probes
- Supplied in a sturdy carrying case, complete with a standard surface probe, a battery and instructions for use



Technical and orderin	ng details		
Designation	TMTP 200 / TMTP 200Ex		
Description Colour	General purpose contact thermometer Intrinsically safe contact thermometer Dark / light grey	Battery	3 x AAA (LR03) Only Duracell PC2400/MN2400 batteries are allowed in Ex areas (TMTP 200Ex)
Ooloui	Black (TMTP 200Ex)	Average battery lifetime	4000 hours
Temperature range	-40 to 200 °C (-40 to 392 °F)	71101ugo 2u1101 yo 11110	2000 hours (TMTP 200Ex)
Accuracy electronics Display resolution	≤ 0,5 °C (≤ 0.9 °F) 1 °C/°F	Switch off	Button or automatic after 5 minutes
Probe	Integrated K-Type	Display indications	Temperature, °C or °F, maximum temperature, out of range, defective probe, low battery
Dimensions	163 x 50 x 21 mm (6.4 x 2 x 0.8 in)	IP rate	IP 65
Weight	95 g (0.2 lb)	Drop resistance EC Type examination Ex classification	1 m (3.2 ft) ISSeP02ATEX054X (TMTP 200Ex) I M1 EEx ia I (TMTP 200Ex) II 1GD EEx ia IIC T4 IP65 (TMTP 200Ex)
Designation	TMTL 260		
Description Colour Temperature range Accuracy electronics	Non-contact laser-sighted thermometer Grey -18 to 260 °C (0 to 500 °F) \leq 2% of reading or \leq 2 °C (\leq 3.5 °F), whichever is greater.	Emissivity Dimensions Weight Battery Average battery lifetime	Pre-set 0.95 152 x 101 x 38 mm (6 x 4 x 1.5 in) 227 g (0.5 lb) 9 V Alkaline 12 hours
Display resolution	0,5 °C or 1.0 °F	Switch off	Automatic after 7 seconds after
Distance to Spot size Spectral response	6:1 7- 18 μm	Display indications	trigger is released Temperature, °C or °F, hold, out of range, low battery
Designation	TMDT 1300		
Description Colour Contents	Dual channel digital thermometer Dark / light grey 1 x dual channel digital thermometer 1 x standard surface probe, TMDT 2-30 1 x 9 V batterv	Accuracy electronics	± 0.3% + 1 °C at range -50 up to 199,9 °C ± 0.5% + 1 °C at range 200 up to 1000 °C ± 0.75% + 1 °C at range 1001 up to 1300 °C ± 0.3% + 2 °F at range -50 up to +199,9 °F ± 0.5% + 2°F at range 200 up to 1999 °F
	Instructions for use Carrying case	Analogue output	0.1 mV per °C/°F at Resolution 1 °C/1 °F 1.0 mV per °C/°F at Resolution 0.1 °C/0.1 °F
Temperature range Display resolution	-50 to 1300 °C (-50 to 1999 °F) Up to 199 °C/°F: 0,1 °C/°F	Output impedance Battery	50 Ohms 9 V Battery IEC 6 LR61 (Alkaline)
Display resolution	Greater than 199 °C/°F: 1 °C/°F	Average battery lifetime Temperature probe Instrument dimensions	100 hours Thermocouple, K-type (NiCr/NiA1) 160 x 77 x 45 mm (6.3 x 3.0 x 1.8 in)
A Probe connection T1	C Temp. difference T1 - T2	E Hold maximum reading	G H G Low battery indication
B Probe connection T2	D Hold last reading	F Switchable °C/°F	H Overload indication





In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice.

