

Accurate temperature measurement with dual channel capability

SKF Thermometer TKDT 10

The SKF TKDT 10 is suitable for a wide range of applications and has the ability to have two SKF temperature probes connected. A large back-lit LCD display helps ensure that the temperatures can be easily read in almost all lighting conditions.

- Contact temperature measurement range from -200 to $+1\,372$ °C (-328 to $+2\,501$ °F).
- Supplied with temperature probe TMDT 2-30 (max. 900 °C / ($1\,652$ °F)); suitable for many direct contact applications.
- Can be used with any SKF temperature probe, including the TIH P20 probe supplied with SKF Induction Heaters.
- Can be used with an optional second SKF temperature probe enabling either probe temperature, or the temperature difference between the probes, to be displayed.
- Temperature readings displayed in either °C, °F, or Kelvin (K).
- Temperature display can be frozen for ease of reading.
- Minimum, maximum and average temperatures can be displayed, together with a time stamp.
- User selectable auto power off function increases battery life.



Technical data

Designation	TKDT 10
Display	Large Backlit LCD
Displayed resolution	0,1° up to 1 000°, otherwise 1°
Backlit display	On/Off
Measurement modes	Min, max, average, differential, dual temperature reading
Measurement units	°C, °F, K
Auto switch off	20 minutes, on/off
Temperature using probe	-200 to +1 372 °C (-328 to +2 501 °F)
Accuracy	> -100 °C (> -148 °F): ±0.5% of reading ±1 °C (1.8 °F)
Probe compatibility	2× Type-K connectors
Probe supplied	TMDT 2-30, suitable for use up to 900 °C (1 650 °F)
Supplied probe length	130 mm (5.1 in.)
Probe response time	2,3 seconds (TMDT 2-30)
Battery	3× AAA Alkaline type IEC LR03
Operation time	18 hours typical use (backlight on)
Product dimensions	160 × 63 × 30 mm (6.3 × 2.5 × 1.2 in.)
Product weight	200 g (0.4 lbs)
Operating temperature	0 to 50 °C (32 to 120 °F)
Storage temperature	-10 to +60 °C (-4 to +150 °F)
Relative humidity	10 to 90% RH non-condensing
IP rating	IP 40
Kit contents	Thermometer with 1× Contact probe TMDT 2-30, 3× AAA batteries, 1× printed instructions for use

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