

Contact thermometer

Accurate temperature measurement with dual channel capability

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
- Supplied in a sturdy carrying case (fig. 1)



fig. 1

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): $\pm 0.5\%$ of reading ± 1 °C (1.8 °F)
Probe compatibility	2x 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	3x AAA Alkaline type IEC LR03



Operation time	18 hours typical use (backlight on)
Product dimensions	160 x 63 x 30 mm (6.3 x 2.5 x 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
Case dimensions	530 x 85 x 180 mm (20.9 x 3.4 x 7.0 in.)
Kit contents	Thermometer with 1x contact probe TMDT 2-30 3x AAA batteries 1x printed instructions for use