

SKF TKTL 21



Instructions for use
Bedienungsanleitung
Instrucciones de uso
Mode d'emploi

Manuale d'istruzioni
Instruções de uso
Инструкция по эксплуатации
使用说明书

4. Technical data

Designation	TKTL 21
Temperature range	-60 to 760 °C (-76 to 1 400 °F)
Temperature range using probe	-64 to 1 400 °C (-83 to 2 552 °F)
Probe supplied	TMdT 2-30, suitable for use up to 900 °C (1 650 °F)
Probe types suitable	K type probes
Environmental limits	
Operation	0 to 50 °C (32 to 122 °F) 10 to 95% R.H.
Storage	-10 to 60 °C (14 to 140 °F) 10 to 95% R.H.
Full range accuracy	
Tamb = 25°C	Tobj = 15 to 35 °C, +/- 1.0 °C (1.8 °F)
Tamb = 23 +/- 3°C	Tobj = 0 to 760 °C, +/-2% of reading or 2 °C (4 °F) whichever is greater
Tamb = 23 +/- 3°C	Tobj = -60 to 0 °C, +/- (2 + 0.05/°) °C
Tamb = 23 +/- 6°C	With probe: , +/- 1% of reading or 1°C (1.8°F) whichever is greater
Response time	1 000 msec (90%)
Optics	Sense emitted, reflected and transmitted energy.
Display	Color LCD
User selectable backlit display	No, permanently ON
Displayed resolution	0.1 °C/F from -83.2~999.9, otherwise 1 °C/F
Distance to spot size	30:1
Spectral response	8-14 µm
User selectable laser	yes, On/off
User selectable LED	No, permanently ON
Buttons	3 buttons and 1 trigger. Function as per instructions for use
Measurement modes	Max, min, differential, average, probe/IR dual temperature modes
Alarm modes	High and low level alarm level with warning bleep
Emissivity variable	0.1-1.0
Laser pointers	8 laser dots
Laser wavelength	635 - 660 nm
Laser	Class 2
Maximum laser power	1 mW
Dimensions	119.2 × 171.8 × 47.5 mm (4.7 × 6.8 × 1.9 in)
TL1 Carrying case dimensions	530 × 85 × 180 mm (20.9 × 3.4 × 7.0 in)
Weight (including case)	1 150 g (2.54 lb)

Designation	TKTL 21
Battery	2 × AAA Alkaline type IEC LR03
Battery lifetime	Min. 30 hours continuous use without laser. Min. 3 hours continuous use with laser and white LED
Switch off	IR mode automatic after 60 seconds after trigger is released. Probe mode automatic after 12 minutes