

SKF TKTL 31



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 31
Temperature range	
Infrared measurement	-60 to 1 600 °C (-76 to 2 912 °F)
Using a probe	-64 to 1 400 °C (-83.2 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
Full range accuracy	
Tamb = 25°C	Tobj = 15 to 35 °C, +/- 1.0 °C (1.8 °F)
Tamb = 23 +/- 3°C	Tobj = 0 to 1 600 °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 sec
Optics	Sense emitted, reflected and transmitted energy.
Distance to spot size	75:1
Spectral response	8-14 µm
Emissivity variable	0.1-1.0
Laser	Class 2
Maximum laser power	1 mW
Laser pointers	2 laser dots
Laser wavelength	635 - 660 nm
Display	
Display	LCD black and white display, backlit
Displayed resolution	0.1 °C/F from -83.2-999.9, otherwise 1° C/F
Controls	
Buttons	4 buttons and 1 trigger. Function as per instructions for use
User selectable backlit display	yes, On/off
User selectable laser pointers (2x)	yes, On/off
Measurement modes	Max, min, average, differential, probe/IR dual temperature
Alarm modes	High and low level alarm level with warning beep
Dimensions	
Unit	203 × 197 × 47 mm (8.0 × 7.7 × 1.8 in)
TL1 Carrying case dimensions	530 × 85 × 180 mm (20.9 × 3.4 × 7.0 in)
Weight (including case)	1 300 g (2.87 lb)

Designation	TKTL 31
Batteries	
Type	2 × AAA Alkaline type IEC LR03
Operating time	Typ.180, min. 140 hours continuous use without Laser and Backlight
Auto switch off	Automatic after 60 seconds after trigger is released
Probe mode	Automatic after 12 minutes
Environment	
Operating temperature	0 to 50 °C (32 to 122 °F) 10 to 95% R.H.
Storage temperature	-10 to 60 °C (14 to 140 °F) 10 to 95% R.H.