

## Infrared thermometer TKTL 20



### An infrared and contact thermometer offering versatile temperature measurement options

- Infrared temperature measurement range from  $-60$  to  $+625$  °C ( $-76$  to  $+1\ 157$  °F)
- Contact temperature measurement range from  $-64$  to  $+1\ 400$  °C ( $-83$  to  $+1\ 999$  °F)
- Distance-to-spot ratio of 16:1; allows accurate temperature readings at a distance
- User selectable variable emissivity between 0,1 and 1,0; allows most surface temperatures to be measured.
- 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
- User selectable, multiple temperature measurement modes including: maximum, minimum, average, differential and probe/infrared dual display, scan function
- User selectable high and level alarm levels with audible warning signal
- Mode dependant auto shut off feature optimises battery life
- Supplied in a sturdy carrying case

#### Technical data

Designation	TKTL 20
Temperature range using infrared	$-60$ to $+625$ °C ( $-76$ to $+1\ 157$ °F)
Temperature range using probe	$-64$ to $+1\ 400$ °C ( $-83$ to $+1\ 999$ °F)
Probe supplied	TMDT 2-30, suitable for use up to $900$ °C ( $1\ 650$ °F)
Environmental limits	Operation $0$ to $50$ °C ( $32$ to $122$ °F) 10 to 95% R.H. Storage $-20$ to $+65$ °C ( $-4$ to $+149$ °F) 10 to 95% R.H.
Full range accuracy	$T_{obj} = 0$ to $635$ °C $\pm 2\%$ of reading or $2$ °C ( $4$ °F) whichever is greater
( $T_{amb} = 23 \pm 3$ °C)	$T_{obj} = -60$ to $0$ °C $\pm(2$ °C $+0,05/\text{degree})$
Response time (90%)	$<1\ 000$ ms
Display	LCD
Displayed resolution	$0,1$ °C/F from $-9,9$ ~ $199,9$ , otherwise $1$ °C/F
Distance to spot size	16:1
Spectral response	$8$ – $14$ $\mu\text{m}$
Emissivity	$0,1$ – $1,0$
User selectable backlit display	On/Off
User selectable laser pointer	On/Off
Measurement modes	Max, min, average, differential, probe/IR dual temperature modes
Alarm modes	High and low level alarm level with warning bleep
Laser wavelength	$630$ – $650$ nm

Laser	Class 2
Maximum laser power	1 mW
Dimensions	195 x 70 x 48 mm (7.7 x 2.7 x 1.9 in)
Packaging	Sturdy carrying case
Case dimensions	340 x 200 x 65 mm (13.4 x 7.9 x 2.6 in)
Weight	Total (incl. case): 940 g (2.07 lbs) TKTL 20: 230 g (0.50 lbs)
Battery	2 x AAA Alkaline type IEC LR03
Battery lifetime	180 hours with laser and backlight off
Switch off	IR mode automatic after 60 s after trigger is released (60 min can be manually selected) Probe mode automatic after 12 min
EMC standards	EN 61326-1,-2-2:2006
Laser standards	21CFR, Ch 1-J

**More information**

Brochure



Instructions for use

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