

SKF TKTL 40

High performance infrared video thermometer, with contact probe



SKF offers a wide range of portable, lightweight and easy-to-use infrared thermometers for thermal inspections. These portable tools help you to detect temperature differences in technical and non-technical applications, this in order to perceive information on abnormalities in operating. SKF Infrared thermometers are fitted with multiple lasers which helps you to easy and more accurate target the object. Field of view 50:1. Supplied with contact probe TMDT 2-30 in sturdy carrying case.

- 2.2" TFT LCD colour display
- 640 x 480 pixels digital camera
- Internal memory expandable to 8GB (Micro SD card)
- Image (JPEG) and video (MP4)
- Humidity and Air Temperature Dual laser targeting Type-K thermocouple probe
- Adjustable emissivity
- High accuracy
- Fast response time
- Dewpoint temperature and Wet bulb temperature

Dimensions

Instrument dimensions 8.1 x 6.1 x 2.4 in

Case dimensions (l x h x w) 20.9 x 3.4 x 7.0 in

Performance

Temperature range using infrared -58 – 1832 °F

Temperature range using probe -58 – 2498 °F

Distance to spot ratio 50:1

Properties

Recommended applications Used in applications where knowing the right temperature is key. E.g. rotating equipment monitoring, HVAC installations, food safety monitoring, fire detection/prevention, and plastic moulding

Probe K type probe, TMDT 2-30 included (max. 1650 °F)

Emissivity 0.1 – 1

Display Colour backlit LCD 2.2", 320x240px

Response time 300 ms

Resolution 0.1 °C/F (below 999.9); 1 °C/F (above 1000)

Spectral response 315 – 551 µm

Measurement modes	Maximum;Minimum;Average;Difference (between min and max); Probe/IR dual temperature
Alarms	High and low level alarm with warning sound
Laser type	2 x red targeting laser dots
Laser power max	1 mW
Auto switch off	Automatic, user selectable
Tripod connector	Yes, (1/4-20 UNC)
Housing material	PC/ABS blend, overmoulded with TPU rubber
Colour	Blue;Dark grey
Battery	1 x Rechargeable Li-ion Battery 3.7 V, 1 400 mAh, 5.2 W
Battery life	4 h
Power adapter	110–240 V, 50/60 Hz, EU/US/UK/AUS plugs
HVAC functions	Wet bulb;Dew point;Humidity;Air temperature
Photo	640x480 px visual camera (JPG)
Video	640x480 px visual camera (3 GP)
Memory	310 MB
Connection	Mini USB port, mini USB to USB cable included
Instrument weight	1.01 lb
Degree of protection (IP)	IP 40
Operating temperature range	32 – 122 °F
Recommended storage temperature	14 – 140 °F
Relative humidity	10 to 90%, non-condensing
Content	1x IR thermometer (TKTL 40);1x temperature probe (TMDT 2-30);1x AC battery charger;1x mini USB to USB connection cable;1x mini tripod;1x instructions for use (MP5427);1x carrying case (size X)

Logistics

Country of Manufacturing (COM code)	47 - China
Product net weight	4.06 lb
eClass code	23-05-19-01
UNSPSC code	41112202

Compatible products

Type	Designation	Description	Qty
Accessory	TMDT 2-31	Magnetic surface probe, K-type thermocouple	1
Accessory	TMDT 2-32	Temperature probes	1

Type	Designation	Description	Qty
Accessory	TMDT 2-33	Right angle surface probe, K-type thermocouple	1
Accessory	TMDT 2-34	Gas and liquid probe, K-type thermocouple	1
Accessory	TMDT 2-34/1.5	Gas and liquid probe, K-type thermocouple, with thin shank and faster response	1
Accessory	TMDT 2-35	Probe with sharp tip, K-type thermocouple	1
Accessory	TMDT 2-36	Pipe clamp probe, K-type thermocouple	1
Accessory	TMDT 2-37	Extension cable, K-type thermocouple	1
Accessory	TMDT 2-37/4M	Temperature probes	1
Accessory	TMDT 2-38	Wire probe, K-type thermocouple	1
Accessory	TMDT 2-39	High temperature wire probe, K-type thermocouple	1
Accessory	TMDT 2-40	Rotating probe, K-type thermocouple	1
Accessory	TMDT 2-41	Temperature probes	1
Accessory	TMDT 2-42	Ambient temperature probe, K-type thermocouple	1
Accessory	TMDT 2-43	Heavy duty surface probe, K-type thermocouple	1
Spare part	TMDT 2-30	Standard surface probe, K-type thermocouple	1