Image may differ from product. See specification for details.

TKTL 21

Advanced infrared thermometer with adjustable emissivity 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.

- LCD colour display8 laser targetingType-K thermocouple probeAdjustable emissivityHigh accuracyFast response timeDS ratio of 30:1

Overview

Dimensions

Case dimensions (l x h x w)	530 x 85 x 180 mm
Instrument dimensions	119 x 172 x 48 mm

Performance

Distance to spot ratio	30:1
Temperature range using infrared	-76 – 1400 °F
Temperature range using probe	-83.2 – 2552 °F

Properties

Alarms	High and low level alarm with warning sound
Auto switch off	Automatic, 60 seconds after trigger release in IR mode and 12 minutes after trigger release in probe mode
Battery	2x AAA (Alkaline (incl.) or Rechargable)
Battery life	3 h
Colour	Blue Dark Grey
Content	1x IR thermometer (TKTL 21) 1x Temperature probe (TMDT 2-30) 2x AAA Alkaline batteries 1x instructions for use (MP5494) 1x carrying case (size X)
Degree of protection (IP)	IP 30
Display	LCD Color with LED backlighting
Emissivity	0.1 – 1
Housing material	PC/ABS blend
Instrument weight	0.5732 lb
Laser power max	1 mW
Laser type	8 x red targeting laser dots
Laser wavelength	635 nm
Measurement modes	Maximum Minimum Average Difference (between min and max) Probe/IR dual temperature
Operating temperature range	32 – 122 °F
Power adapter	No
Probe	K type probe, TMDT 2-30 included (max. 1650 °F)
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
Recommended storage temperature	14 – 140 °F
Relative humidity	10 to 95%, non-condensing
Resolution	0.1 °C/F (below 999.9) 1 °C/F (above 1000)
Response time	1 000 ms
Spectral response	314.961 – 551.181 µin
Tripod connector	Yes, (1/4-20 UNC)

Logistics

Product net weight	2.8 lb
UNSPSC code	41112202
eClass code	23-05-19-01

Compatible products

Accessory

Magnetic surface probe, K-type thermocouple	TMDT 2-31
Temperature probes	TMDT 2-32
Right angle surface probe, K-type thermocouple	TMDT 2-33

Gas and liquid probe, K-type thermocouple	TMDT 2-34
Gas and liquid probe, K-type thermocouple, with thin shank and faster response	TMDT 2-34/1.5
Probe with sharp tip, K-type thermocouple	TMDT 2-35
Pipe clamp probe, K-type thermocouple	TMDT 2-36
Extension cable, K-type thermocouple	TMDT 2-37
Temperature probes	TMDT 2-37/4M
Wire probe, K-type thermocouple	TMDT 2-38
High temperature wire probe, K-type thermocouple	TMDT 2-39
Rotating probe, K-type thermocouple	TMDT 2-40
Temperature probes	TMDT 2-41
Ambient temperature probe, K-type thermocouple	TMDT 2-42
Heavy duty surface probe, K-type thermocouple	TMDT 2-43

Spare part

Standard surface probe, K-type thermocouple	TMDT 2-30

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