

PROFESSIONAL INFRARED THERMOMETER

TN4 SERIES

The Professional's Choice



for MODEL TN408LC

- Measures -60 to 500 °C (-76 to 932 °F)
- D:S = 11:1
- Bright laser pointing
- Large backlight LCD display
- °C/°F with 0.1 degree resolution
- Adjustable emissivity
- MAX, MIN, DIFF and AVERAGE
- LOCK for continuous monitoring
- Programmable HI/LO Alarms

The TN4 Series of infrared thermometers provide precision spot temperatures in a wide range of applications from -60 to 500 °C (-76 to 932 °F). Automotive technicians troubleshoot engine and exhaust system problems, maintenance engineers check equipment performance, HVAC technicians test and balance heating and ventilating systems, electricians evaluate electrical panels and food service professionals monitor cooking and holding temperatures.

TN4 Series thermometers feature advanced optics to measure smaller targets at longer distances and offer bright single-point laser sighting to illuminate the center of the measurement area. The TN403L provides a basic "point and shoot" capability while the TN405L offers additional measurement modes including a LOCK mode for continuous temperature monitoring.

The TN408LC thermometer offers the ultimate in temperature measurement flexibility with its built-in jack for an optional K-type thermocouple probe, programmable HI/LO temperature alarms, and adjustable emissivity for more accurate temperature measurements. The TN408XC offers all of the features of the TN408LC, but without laser aiming.

The TN4 Series serves a wide variety of non-contact and contact temperature monitoring needs that saves professionals' time and improves the quality and performance of their operations.

TN4 SERIES

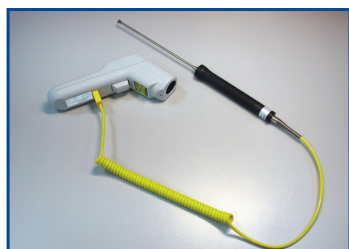
Specifications



Select operating modes and adjust parameters easily



Built-in jack supports any K-type TC probe with "mini"-style connector



A variety of K-type TC probes are available from ZyTemp

Options

N.I.S.T. Certificate of calibration (COC)
TC Probes with Tool Box Carrying case
Holster



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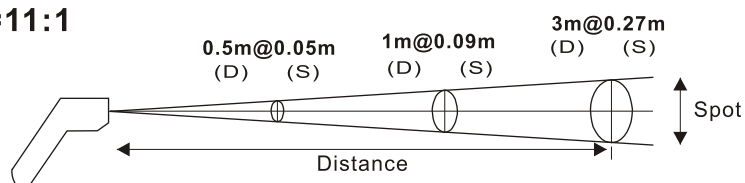
Model No	TN403L	TN405L	TN408LC
Description	IRT		IRT + Laser + Thermocouple socket
Measurement Range	-60~500°C (-76~932°F)		
Operating Range	0~50°C (32~122°F)		
Accuracy, (Tobj=15-35°C, Tamb=25°C)	+/-1.0°C (+/-1.8°F)		
Full Range Accuracy	+/-2% of reading or 2°C (whichever is greater)		
Resolution (-9.9~199.9°C)	0.1°C/0.1°F		
Response Time (90%)	1sec		
Distance:Spot	11:1		
Emissivity Range	Fixed 0.95		0.1~1 Step.01
Update Frequency	1.4Hz		
Dimension	175x39x72mm (6.9x1.54x2.83inches)		
Wave Length	8um-14um		
Weight (with battery)	179g		
Weight (no battery)	160g		
Thermocouple Probe	—	—	Small Socket, K type, 12minutes auto PowerOff
Measurement Range	—	—	-64~1400°C (-83.2~1999°F)
Probe Accuracy	—	—	+/-1% of reading or 1°C (whichever is greater)
Mode	Max	Max,Min,Dif, Ave,Lock	Max,Min,Dif,Ave,Lock, Hi/Low Alarm
Power Supply	AAA x 2 (Alkaline)		
Battery Life	180 hrs typical (without laser or LCD backlight)		

* Actual range depends on the TC probe selected

Optical Resolution

Distance-to-Spot Ratio

D:S=11:1



The target must fill the instrument's field-of-view. From a distance of 1.1m, the instrument measures temperature over a circle 0.1m (100mm) in diameter. For best performance, the size of the target should exceed the size of instrument's measurement circle defined in the above chart.