

Infrared Thermometer

TC-5000

Light weight and compact, equipment with laser sighting
Superior design at a reasonable price
Simple and easy operation, $-20 \sim 550^{\circ}\text{C}$ measuring range
Adjustable Emissivity for accurate temperature measurement
Non-contact measurement, hygienic, ideal for good preparation, handling and storage

Application

- Inspection of food temperatures
- Check cooling, holding and serving temperatures
- Maintenance of electrical facilities
- Detect loose electrical connections and machine maintenance problems



TC-5000



Carrying Case

LINE **LINE SEIKI, CO. LTD**

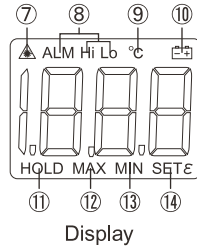
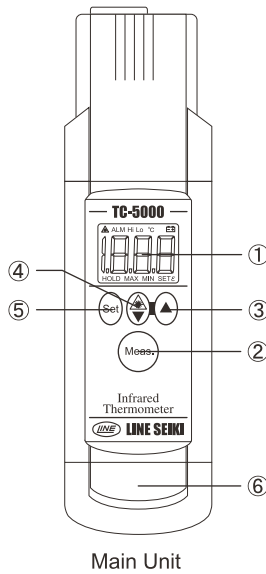
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● Function



- ① Display
- ② Measure button(Meas.)
- ③ Numeric Input Button ▲
- ④ Numeric Input Button ▼ Laser Button(▲)
- ⑤ Mode Selection Button(Set)
- ⑥ Battery Compartment
- ⑦ Laser Indicator
- ⑧ Alarm Display
(Upper limit(Hi), Lower limit(Lo))
- ⑨ °C Display
- ⑩ Low Battery Display
- ⑪ Hold Display
- ⑫ Max. Temperature Display
- ⑬ Min. Temperature Display
- ⑭ Set Display
(SET ε : Thermal Emissivity Display)

● Specifications

1.General Specifications

Display	:3 1/2 LCD,with maximum reading of 1999
Low Battery Indicator	: " " is displayed when the battery voltage drops below the operating level
Sampling Time	:1 cycle per second
Ambient Operating Range	:0~+50°C , at a maximum relative humidity of 70% RH
Storage temperature	: -20~+60°C , at maximum relative humidity of 80% RH (Battery should be removed from the unit during storage)
Auto power Off	:20 seconds
Standby Current Consumption	:9mA maximum
Battery	:IEC LR44 , NEDA 1166A Type 1.5V button battery...6 pcs.
Battery Life	:Approx. 8.5 hours (continuous), without using laser marker
Dimensions	:170(H)×48(W)×24(D)mm
Weight	:Approx. 105g. (including battery)
Accessories	:instruction Manual , Soft Carrying Case , IEC LR44 button type battery ...6 pieces

2.Laser Specifications

Laser Safety Class	:Class2
Wavelength	:Red (650nm)
Operating Distance	:15 meter maximum
Power Consumption	:1mW maximum

3.Efficiency

Temperature Range	: -20~+550°C
Display Resolution	:1°C
Accuracy	:±2% of reading or ±3°C, whichever is greater (at 18~28°C ambient operating temperature)
Repeatability	:±0.2% of reading of ±0.3°C, whichever is greater Change in accuracy per °C change in the ambient operating temperature above 28°C or below 18°C
Response Time	:1 second
Emissivity	:Ranging from 0.10~1.00, adjustable in increments of 0.01
Detection Element	:Thermopile
Optical Lens	:Fresnel Lens
Sighting	:1- beam laser marker ; 1mW maximum (Class2)
Field of View	: φ 100mm/600mm

※ Refer to the drawing below

Field of View (Spot size) increases with distance from the tip of the probe

