

# Non-Contact Infrared Thermometer With Laser Sighting



- Simple temperature measurement from -40°C to 500°C
- Laser sight pinpoints measured spots.
- Automatic-backlit LCD display at dark places by a brightness sensor
- Palm size, lightweight 180g
- Automatic power off for saving battery life
- Maximum or minimum temperature display
- Audible buzzer high alarm standard
- Emissivity adjustable from 0.30 to 1.90 in 0.01 steps

## Handheld Infrared Thermometer

Model **IR-TA**



**CHINO**

**The IR-TA measures temperature quickly from a distance - without contact.**

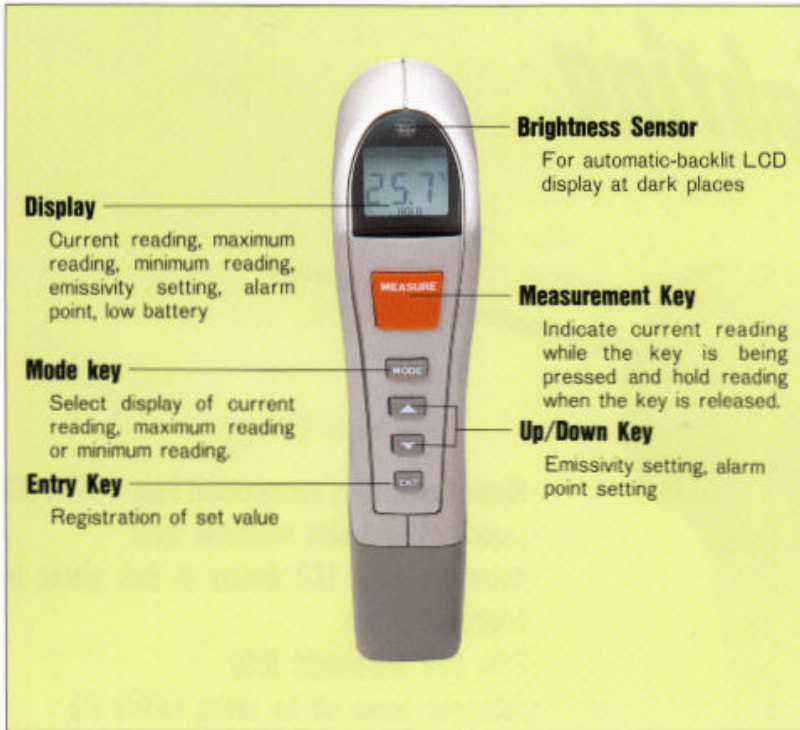
Ideal for applications in fields such as refrigeration show cases, transportation, storage, electronic/mechanical parts, food processing, construction, power facilities, etc.

# Handheld Infrared Thermometer

Model **IR-TA**



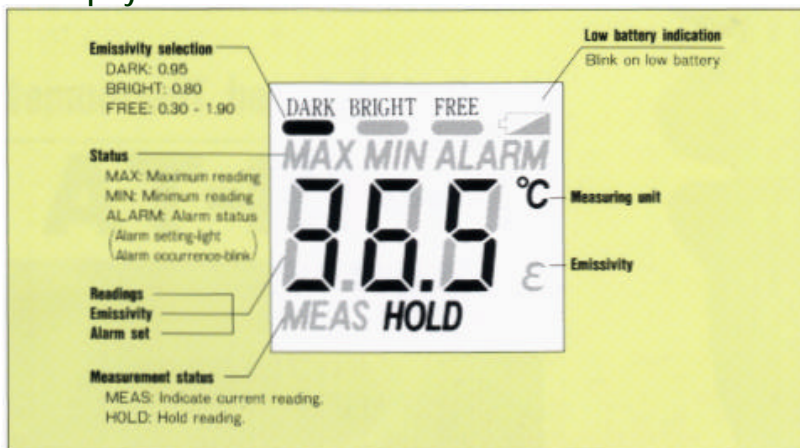
## Key Functions



## General Specifications

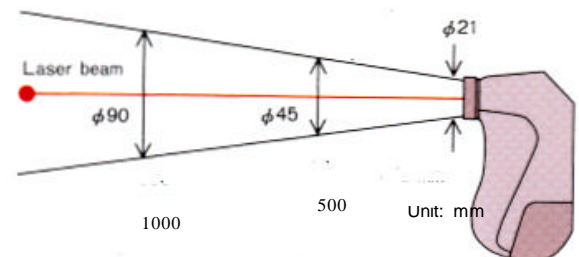
Temperature Range: -40 to 500 C  
 Detector: Thermopile  
 Spectral Range: 8 to 14 $\mu$ m  
 Target Size:  $\approx$ 45mm at 500mm distance  
 Accuracy:  $\pm$ 1% of reading or  $\pm$ 2CC, whichever larger  
                    $\pm$ 3 C at -30 to 0 C  
                    $\pm$ 5 C at lower than -30 C  
                   (at ambient temperature of 25 C)  
 Repeatability: Within  $\pm$ 1 C  
 Stability:  $\pm$ 5 C under EMC test environment  
 Response Time: 0.8 second (90% response)  
 Collimation: Marking center of measuring spot by laser beam  
 Beam Diameter: About 5mm at 1 m distance  
 Beam Output: Less than 1 mW (670nm), IEC Class 2  
 Display: 3 digit LCD  
 Resolution: 0.1C at -19.9 to 99.9 C  
                   1 C at lower than -20 C or higher than 100 C  
 Display Renewal Cycle: 0.25 second  
 Display Contents: Current reading, maximum reading, minimum reading, hold reading, emissivity setting, alarm set, low battery  
 Display Illumination: Automatic back light by brightness sensor  
 Power Off: Automatic power-off after 30 seconds  
 Alarm: Audible buzzer high limit  
           Optional low limit  
 Emissivity: DARK -0.95  
               BRIGHT 0.80  
               FREE -0.30 to 1.90(1.00 initial)  
 Operating Ambient: 0 to 50CC, Lower than 90%RH

## Display



## Distance to Spot Size

Black body tape(Emissivity 0.94)  
 Temperature Range: 0 to 300CC  
 Size: 200 X 220mm



## Auxiliary Product (Option)

CE Marking: Conforms to EMC directive (89/336/EEC, 92/31/EEC amendment, 93/68/EEC amendment)  
 EN55011 Group 1, Class B, EN50082-1



### CAUTION

- Please do not aim or direct laser toward faces.
- On measurement of targets like as glossy metal, be careful with influences by the reflection from it.



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