

## INTRODUCTION

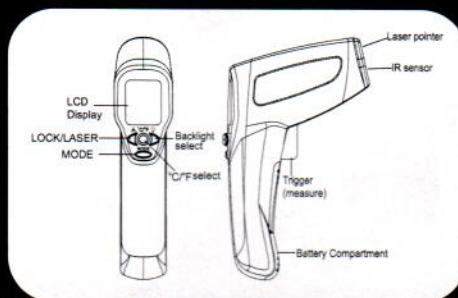
Infrared Thermometer is designed to measure surface temperature whereas traditional contact type thermometer is inappropriate. For example, measurement of moving objects, items with live voltage, and items not reachable.

## OPERATION

- Power On**  
Pulling the "measuring trigger"; the IR thermometer will be powered on and start to measure the temperature automatically.
- LCD Display**  
The measured temperature and activating function will be displayed on the LCD screen.
- Measurement**  
Pointing IR thermometer toward the target, pulling the "measuring trigger" once to activate the single measurement. Keep pulling the "measuring trigger" for more than 3 seconds will measure the temperature continually.
- Measurement Unit**  
To switch the temperature °C/°F, please press "°C/°F" button. Current unit will display on the LCD screen.
- Continuous Measurement (without triggering)**  
To continuously process the measurement without keep pulling the trigger, please press "LOCK/△" while releasing the "measuring trigger". "HOLD" will not display on the LCD screen while the mode is switched.
- Background light**  
To switch on the background light of the LCD screen, please press the "☀" button while pulling the "measuring trigger". ☀ will be displayed.
- Laser Pointer**  
To switch on the laser pointer, please press "LOCK/△" button while pulling the "measuring trigger". △ will be displayed.
- Adjusting Emissivity**  
To change the emissivity, please press "MODE" button. "ε" will be flicker on the screen, press "☀" or "LOCK/△" to increase or decrease the emissivity. To finish the adjustment, please press "MODE" again and "Σ" will be hold.
- Power Off**  
The IR thermometer will automatically switch off if no measurement is taking for 20 seconds.

## SPECIFICATION

- Display Resolution: 0.1°C
- Measuring Temperature: -50°C~800°C
- Operating Temperature: 0°C~50°C
- Relative Humidity: 10~95RH  
(Considering no condensation)
- Storage Temperature: -20°C~50°C
- Response Time: 0.8S
- Precision:  $\pm 2.5\%$ °C or  $\pm 3\%$ °C
- Distance to Spot Ratio: 30:1
- Power: 9V Battery
- Battery Lifetime: About 10h



## FIELD OF VIEW

As the measuring target gets far away from the IR thermometer, the measuring spot (measuring area) gets bigger. Distance to spot ratio is applied to represent such relation. For example, if measuring distance is 150cm, diameter of the measuring spot will be 5cm, which means the measured temperature will be the average temperature within the circle area.

## MAINTENANCE

- Please use the compressed air or soft brush to clean the dust on the lens, then use wet cotton for the final cleaning.
- Please don't use any solvent to clean the IR thermometer.
- Please use cloth to clean the case.
- Please submerge the IR thermometer.

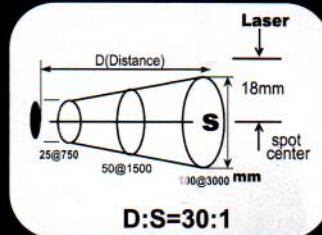
## SAFETY INFORMATION

**WARNING!** Please follow the instruction to avoid the harm and potential hazard.

- Please do not point the laser pointer to eyes directly or indirectly from the reflective surface!!!
- Please check if there is damage on the case before using the IR thermometer. Please do not use damaged equipment.
- If low battery indication appears on the screen, please change the battery.
- If IR thermometer doesn't function properly, please do not use it because the protection provided by the equipment may be damaged.
- Please do not use IR thermometer in explosive gas, vapor, or dust environment.
- To avoid burns, please keep in mind that measured temperature from high emissivity object is lower than actual temperature.
- If user do not follow the manual instruction, the protection provided by the equipment may be impaired.

**CAUTION!** To avoid damaging the IR thermometer, please protect the equipment from following effect:

- Strong electromagnetic field from strong welding machines and induction heaters.
- Thermal shock (Due to rapid temperature variation. Please wait 25 - 30 minutes for the equipment to stabilize before operating it).
- Please do not put the equipment near or on high temperature object.



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