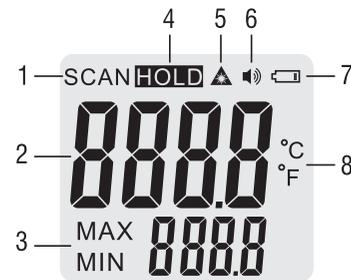


LCD interface instruction

- 1.Scan symbol
- 2.Measure data
- 3.Temperature value for Max/Min
- 4.Data hold symbol
- 5.Laser on symbol
- 6.Buzzer on symbol
- 7.Lower power symbol
- 8.C/F symbol



Measurement operation

- 1.Hold the meter by its Handle Grip and point it toward the surface to be measured.
- 2.Pull and hold the Trigger to turn the meter on and begin testing. The display will light if the battery is good. Replace the battery if the display does not light.
- 3.Release the Trigger and the HOLD display icon will appear on the LCD indicating that the reading is being held. In HOLD status, press the laser button to turn on or off the laser. And press the buzzer button to turn on or off the backlight.
- 4.The meter will automatically power down after approximately 10 seconds after the trigger is released.

Switching C/F

Press the C/F button two seconds until the C/F symbol changed.

Switching Max/Min

Press the Max/Min button.

Switch on/off laser

Press the laser key

Switch on/off buzzer

Short press the C/F button

Find Max/Min

If the buzzer is switch on, when it find the Max/Min value, the buzzer will beep sound.

Battery replacement

- 1.As battery power is not sufficient, LCD will display the lower power symbol, replacement with one new battery type 9V is required.
- 2.Open battery cover, then take out the battery from instrument and replace with a new 9-Volt battery and place the battery cover back.

Mini InfraRed Thermometer User Manual



Please read this manual before switching the unit on.
Important safety information inside.

Contact :

EASTERN ENERGY CO.,LTD. (HEAD OFFICE)

40/4 Vitoondumri Rd., Banbueng, Banbueng, Chonburi 20170

Tel: 0-3844-6117 Fax: 0-3844-6200 Email: info@ete.co.th

Rev.160319



1. Description

Thank you for purchase of the IR Thermometer. This is capable of non-contact (infrared) temperature measurements at the touch of a button. The built-in laser pointer increases target accuracy while handy push-buttons combine for convenient, ergonomic operation.

The Non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.)

Proper use and care of this meter will provide years of reliable service.

2. Features:

- Rapid detection function
- Precise non-contact measurements
- Dual laser sighting
- Unique flat surface, modern housing design
- Automatic Data Hold
- Negative display screen
- Looking for "MAX/MIN" function

Wide range application

Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen printing, measure ink and Dryer temperature, HVAC/R, Diesel and Fleet maintenance.

SAFETY

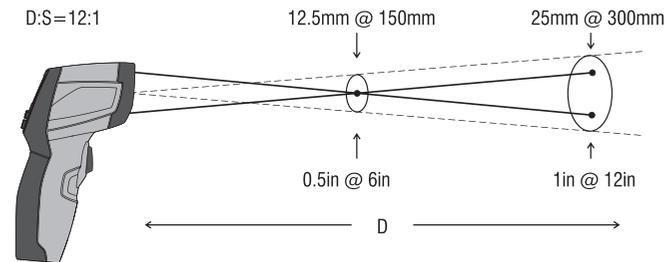
- Use extreme caution when the laser beam is turned on.
- Do not let the beam enter your eye, another person's eye or the eye of an animal.
- Be careful no to let the beam on a reflective surface strike your eye.
- Do not allow the laser light beam impinge on any gas which can explode.

CAUTION

LASER RADIATION
AVOID DIRECT EYE EXPOSURE
*
MAXIMUM OUTPUT < 1mW
WAVELENGTH 630-670nm
CLASS 2 LASER PRODUCT
EN60825-1:2007

Distance & Spot size

As the distance (D) from the object increases, the spot size (S) of the area measured by the unit becomes larger. The relationship between distance and spot size for each unit is listed below. The focal point for each unit is 914mm (36"). The spot sizes indicate 90% encircled energy.



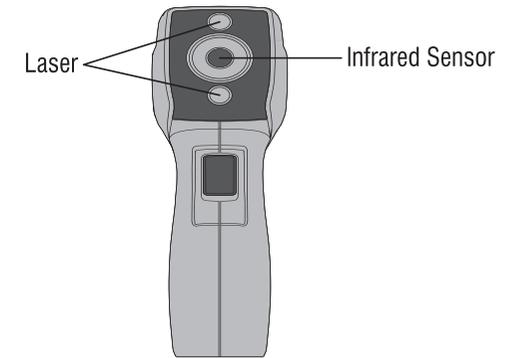
3. Specifications

Temperature range	D:S
-50 to 380°C(-58~716°F)	12:1
Display resolution	0.1°C(0.1°F)
Accuracy	For targets:
-50~20°C(-58~68°F)	±2.5°C(4.5°F)
20~380°C(68~716°F)	±1.0% ±1°C(1.8°F)
Repeatability	±1°C(1.8°F)
Response time	150ms
Spectral response	8~14um
Over range indication	LCD will show "----"
Diode laser	output <1mW,Wavelength 630~670nm, Class 2 laser product
Operating temp.	0 to 50°C(32 to 122°F)
Storage temp.	-10 to 60°C(14 to 140°F)
Relative humidity	10%~90%RH operating, <80%RH storage
Power supply	9V Battery, NEDA 1604A or IEC 6LR61, or equivalent

Note:

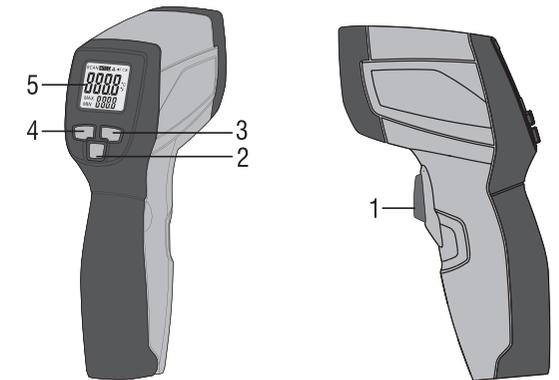
Field of View: Make sure that the target is larger than the unit's spot size. The smaller the target, the closer you should be to it. When accuracy is critical, make sure the target is at least twice as large as the spot size.

4. Panel description



Button instruction

- 1.switch button(automotive switch off about 10 seconds)
- 2.laser on/off button
- 3.C/F and buzzer on/off button
- 4.Max/Min button
- 5.Display screen



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