

Portable Infrared Thermometer

PIR 2400

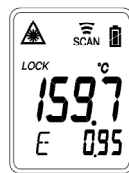
(Temperature: 200 ~ 2400 °C)



IR2400 Operating Instructions

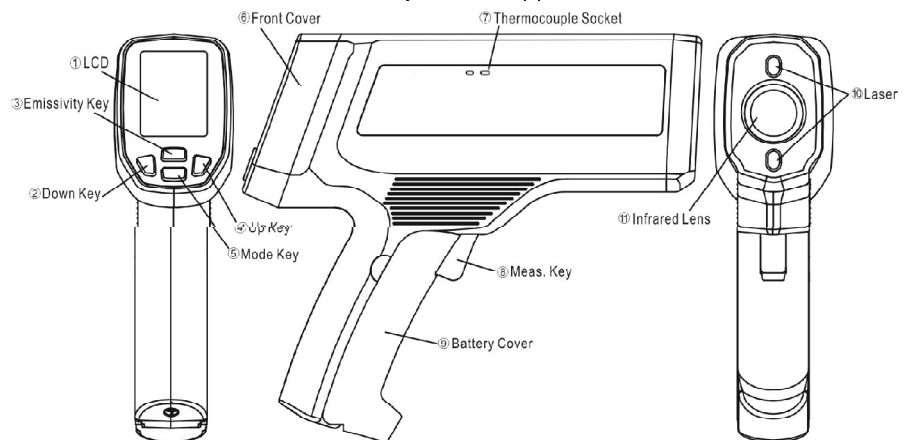
The non-contact infrared thermometer is the ultimate tool for temperature measurements. It can measure from 200 to 2400 °C (392 to 4352 °F) in the distance of 100:1 DS (Distance to Spot) ratio. Furthermore, the memory mode can record and display the specific measurement with emissivity. There are many mathematical modes for the Infrared function.

* Please remember to keep away from children and don't use it for safety related application.



(Default Screen)

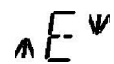
Simply aim the thermometer at the measure target with Lens (11) and press Meas. key (8) to display the surface temperature. The Distance:Spot is 100:1.



The two laser points are the reference for the target spot size. Please make sure the target area is within the field of view.

FUNCTION


Press Emissivity key (3) for setting the emissivity



Press Emissivity key (3), then press Up key (4) or Down key (2) to set the emissivity, then press Mode key (5) to confirm it. The emissivity can be changed from 0.10 (10E) to 1 (100E).


Press Mode key (5) for scrolling more display function as follows.



Here will show the emissivity data. (The default emissivity is 0.95.)
Press Mode key (5) for the Maximum (MAX), Minimum (MIN), Difference between MAX and MIN (DIF) and Average (AVG) modes. During the measurement, the special modes reading will be displayed beside the mode icon
Press Up key (4) or Down key (2) key to change the High Alarm (HAL) or Lo Alarm (LAL), then press Meas. key (8) to confirm it. When the reading is outside the High Alarm (HAL) or Lo Alarm (LAL) limit. The High or Low icon will flash and you will hear a beep sound.
Connect the thermocouple with Thermocouple socket (7) and put the probe in/on the target, the thermometer will display the temperature automatically without pressing any button. To see the minimum or maximum data during the probe measurement, please hold down the Up key (4) or Down key (2).
 After measure high temp, the probe may remain HOT for a while
After taking the temperature, press Mode key (5) for the Memory (M00), then press Meas. key (8) to save the measurement. Under the Memory (M00) , press Up key (4) or Down key (2) key to display the record up to 24 sets. In "Memory" mode, press and hold the Up key (4), then press the Down key (2) for 2 seconds to clear the records

** The thermometer will automatically shut off if left idle for more than 60sec.

ADD VALUE

MAX, MIN, DIF, AVG Mode:	Press Up key (4) for LOCK mode ON/OFF. The lock mode is particularly useful for continuous monitoring of for up to 60 minutes.
	Press Down key (2) for oC or oF transferred.
In all modes: First hold on the Meas. key (8)	and press Lock key (4) for backlight function ON/OFF. 
	and press °C/ °F key (3) for laser function ON/OFF. 