Owner's Manual

CRAFTSMAN

Non-Contact InfraRed Thermometer
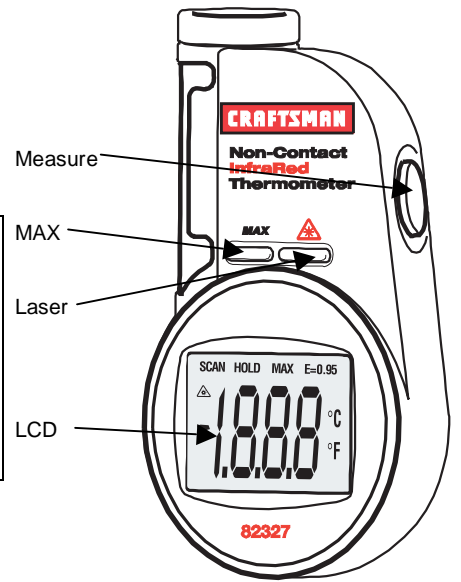## Model No. 82327

ONE YEAR FULL WARRANTY ON CRAFTSMAN NON-CONTACT INFRARED THERMOMETER.

If this CRAFTSMAN Non-Contact InfraRed Thermometer fails to give complete satisfaction within one year from the date of purchase, RETURN IT TO THE NEAREST SEARS STORE OR OTHER CRAFTSMAN OUTLET IN THE UNITED STATES, and Sears will replace it, free of charge.

If this CRAFTSMAN Non-Contact InfraRed Thermometer is used for commercial or rental purposes, this warranty applies for only 90 days from the date of purchase.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.
Sears, Roebuck and Co., Dept 817 WA, Hoffman Estates, IL 60179.

For Technical Assistance Call 9 AM - 5 PM (EST)
Monday thru Friday 1-888-326-1006

Measure
MAX
Laser
LCD

SPECIFICATIONS

General Specifications

Display	3 ½ -digit (2000 count) LCD display
Power off	Automatic shutoff after approx. 8 seconds
Laser power	Laser power less than 1mW (red)
Operating Temperature	32 to 122°F (0 to 50°C)
Operating Humidity	Max. 80% RH
Power Supply	2 x AAA battery
Weight	2.7 oz. / 76g
Size	3.7 x 2 x 1" (94 x 51 x 25 mm)

Range Specifications

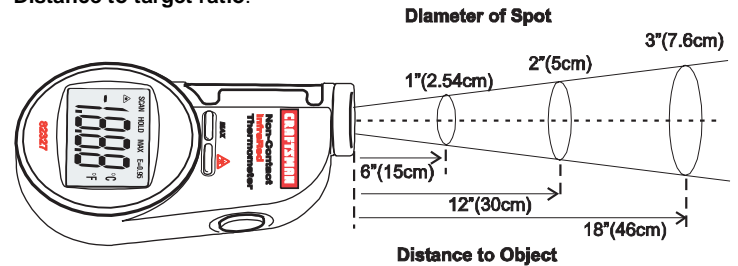| Ranges/Resolution	-58 to 518°F/ -50 to 270°C	1°F/1°C
Accuracy	-4º to 518ºF / -20 to 270ºC: ± (2.5% of reading + 3ºF/2ºC) -58º to -4ºF / -50 to -20ºC: ± 10ºF/5ºC	
Accuracy notes	1. Accuracy specified for ambient temperature 2. Accuracy specified for emissivity of 0.95	
Emissivity settings	0.95 fixed	
Recommended Measuring Distance	2″ to 36″ / 5cm to 91cm	
Distance Factor	Distance to Target Ratio 6:1	

OPERATING INSTRUCTIONS

Taking Measurements

1. Hold the meter and point it toward the surface to be measured.
2. Push and hold the **red measure button** 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. While measuring, the SCAN display icon will appear in the upper left hand corner of the LCD.
4. While continuing to push the button:
   a. Push the ⚠ **Laser** button to turn on the laser pointer. When the laser is on the laser icon ⚠ will appear on the left side of the LCD. Pushing the **Laser** button again turns the laser off.
   b. Push the MAX button to only display the highest reading. Pushing the MAX button again turns the max feature off.
5. Release the red button and the HOLD display icon will appear on the LCD indicating that the reading is being held.
6. The meter will automatically power down after approximately 8 seconds after the button is released.

WARNING: This is a precision instrument. Dropping it can damage the IR sensor, the precision lens or the alignment of the laser.

CAUTION

LASER RADIATION
DO NOT STARE INTO BEAM
DIODE LASER
<1mW Output at 675nm
CLASS II LASER PRODUCT

Distance to target ratio:

Diameter of Spot
3"(7.6cm)
2"(5cm)
1"(2.54cm)
6"(15cm)
12"(30cm)
18"(46cm)
Distance to Object

Displaying °F or °C
Open the battery compartment, move the slide switch located in the opening beneath the outermost battery

Replacing the battery

A flashing display indicates that the AAA batteries which power the meter have weakened. Open the battery compartment on the rear of the meter, replace the batteries and close the compartment.

Measurement considerations

If the surface of an object to be measured is covered with frost, dust or other materials, surface cleaning must be performed before accurate measurements can be made**.**
High reflective surfaces: If the surface of an object to be measured is highly reflective, apply masking tape or apply flat black paint to the surface since black paint has a fixed emissivity value.

CAUTION: Do not directly view or direct the laser pointer at an eye. Low power visible lasers do not normally present a hazard, but they may present some potential for hazard if viewed directly for extended periods of time.