

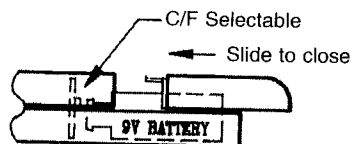
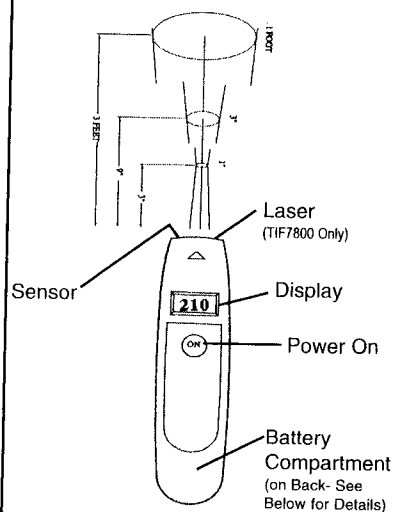


quickTEMP  
Infrared Thermometer

Covers Models:  
TIF7700  
TIF7800

Owners Manual

## PARTS & CONTROLS



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## PRECAUTIONS & WARNINGS

- To ensure accurate temperature readings, it is important to prevent contact or near contact of the sensing lens to extreme hot or cold sources. Exposure of more than a few seconds may cause the signal to drift several degrees.
- Always remain aware of safe distances from moving parts and very hot surfaces.
- Always wear eye protection if working around hot liquids.
- **CAUTION:** Laser Radiation is emitted- Avoid Direct Eye Contact (TIF7800 Only).

## OPERATING INSTRUCTIONS

This manual describes two models: TIF7700 and TIF7800 quick TEMP with Laser Sighting. Please refer to your unit or packaging to identify your model.

### F/C Select Switch

The quickTEMP F/C select switch is located within the battery compartment. (See page 1 for diagram)

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## OPERATING INSTRUCTIONS

Operation of the quickTEMP is simple.

1. Point the sensor at the desired target.
2. Press the "ON" button for a temperature reading. No contact is ever needed. The quickTEMP has a first temperature response time of 1 second and continuous reading feature, which is achieved by holding down the "ON" button.
3. To hold a reading release the "C" button.
4. The unit will shut off automatically after 5-7 seconds.

### Calculating Distance

The quickTEMP has a distance-to-target ratio (D/T) of 3:1 and measures the emitted energy of a target one-third the size of the working distance. For example, if the distance is 3 inches, the diameter of the measured area is 1 inch.

### Laser Sight Option (TIF7800 Only)

The laser is located on the front of the sensor next to the optics and is activated by pressing the "ON" button.



## MAINTENANCE

### Battery Installation

The quickTEMP requires a standard 9-volt battery. The sensor only requires power during operation; therefore the battery should last several months with average use.

Refer to the diagram on page 1 for battery compartment location.

### Cleaning

Debris on the lens may cause obstruction and reduce the accuracy of the quickTEMP. If this occurs, either wipe the lens with a Q-tip (moisten with water only) or blow off the loose particles with clean compressed air.

Only use a soft dampened cloth to clean the quickTEMP. Never use solvents or abrasives.

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## SPECIFICATIONS

### Temperature

**Range:** 0 to 600°F  
(-18 to 315° C)

**Resolution:** 1° F (1° C)

**Accuracy:** ± 2% of Reading or  
3°F/2° C (whichever  
is greater)

### Response

**Time:** 1 second

### Target Size/

**Field of View:** 3:1 optics ratio with  
a 1" min. target

**Repeatability:** ±0.5% of reading,  
plus one digit

**Power Source:** 9-volt battery

**Wavelength:** 8 to 14 micron

### Operating

**Temperature:** 32 to 125° F  
(0 to 52° C)

**Dimensions:** 7.26" x 1.7" x .75"  
(18.44 x 4.3 x  
1.9 mm)

**Weight:** 2.7 oz (w/o battery)  
(75 grams)

**Emissivity:** Fixed at .95

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## WARRANTY & REPAIR

### Limited Warranty and Repair Exchange Policy

This instrument has been designed and manufactured to provide unlimited service. Should the unit be inoperative, after performing recommended maintenance, charge repair or replacement made to the original purchase claim is made within one year of the date of purchase. This warranty applies to all repairable instruments that have not been tampered with or damaged through improper use.

### Returning Your Unit For Repair

Before returning your instrument for repair please make sure that you have carefully reviewed the **U** **Maintenance** section of this manual to determine if the problem can be easily repaired. Make sure the **batteries** and/or fuse are working properly **BEFORE** returning the unit.

If the unit still fails to work properly, send the unit to the repair facility on the back cover of this manual. Repaired or replaced tools will receive an additional 90 day warranty. For more information please call (800) 327-5060.