

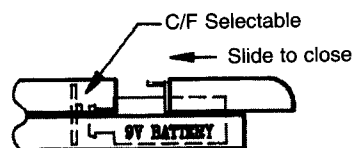
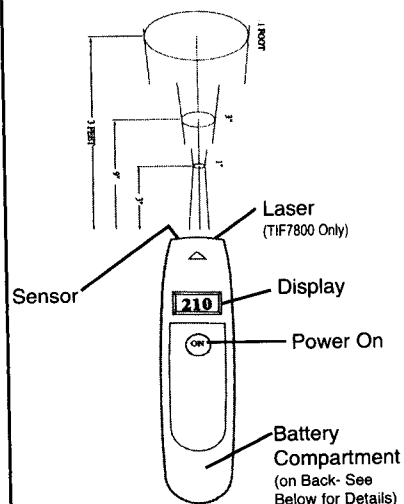


quickTEMP
Infrared Thermometer

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 a continuous reading feature, which is achieved by holding down the "ON" button.
3. To hold a reading release the "ON" 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.

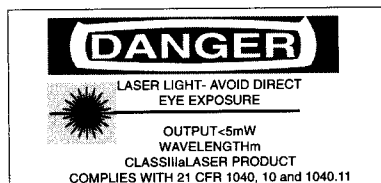
Laser Sight Option (TIF7800 Only)

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

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OPERATING INSTRUCTIONS

The laser will produce a red spot that is parallel to the measured target. This permits more accurate targeting of the area to be measured.



Emissivity

Emissivity is a characteristic of a target surface and is the relative ability of that surface to emit energy.

The quickTEMP is preset to an emittance value of 0.95, the value of most organic substances. This includes such things as wood, cloth, plastics, and water. Highly reflective materials with smooth polished surfaces have emittance values much lower than 1.0. To compensate for emissivity when measuring such materials, we recommend using flat black paint or attaching black tape to the target to soften the reflectiveness.

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OPERATING INSTRUCTIONS

Subzero Measurements

A decimal point to the left of the center digit indicates a subzero temperature reading. See figure 1 below.



FIG. 1

MAINTENANCE

Low Battery Indication

A decimal point to the right of the center digit indicates low battery power. See figure 2 below.



FIG. 2

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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 the recommended maintenance, a no-charge repair or replacement will be made to the original purchaser if the claim is made within one year from 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 **Unit Maintenance** section of this manual to determine if the problem can be easily repaired. Make sure that 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 carry an additional 90 day warranty. For more information please call (800) 327-5060.

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