Using this Quick Start Manual

Use this Quick Start Manual with your OS530E/OS520E series Handheld Infrared Thermometer to set up and perform basic operations. These tasks are:

- Installing the Batteries
- Operating the Laser Sight
- Taking Temperature Readings
- Measuring Distance

For detailed information, refer to the User’s Guide (M4088).

Getting Started

Parts of the Thermometer

![Figure 1: OS530E/OS520E Series Handheld Infrared Thermometer Front View](image1)

![Figure 2: OS530E/OS520E Series Handheld Infrared Thermometer Various Views](image2)

Installing the Batteries

Invert the unit and install 4 fresh AA size batteries as shown in Figure 4.

Operating the Laser Sight Function

WARNING: DO NOT AIM THE LASER BEAM AT ANYONE’S EYES.

CAUTION: Use of controls or adjustments or performance of procedures other than those specified here may result in hazardous radiation exposure. Refer to the Operator’s Manual for complete warnings and cautions.

Taking Temperature Readings

1. Aim at the target. If you are not using the Laser Sighting, use the “V” groove on top of the thermometer to align the target to the thermometer’s field of view.

2. Pull and hold the trigger. To use the laser sighting, set the laser power switch to the ON position. The Power Indicator LED and the laser beam will turn on. The laser beam will stay on as long as the trigger is pulled. The target temperature and emissivity (E) will be displayed on the LCD. You can press the and key to increment or decrement the target emissivity. The laser beam is switchable between dot and circle using the switch on the right side.

Measuring Distance

Distance measurement is offered either as field mountable or built-in. The field mountable version (HH-DM) is a stand alone device. Press the key to measure distance. The build-in version (-DM) is an integral part of the thermometer. Go to the d_F or d_M display menu. Set the power switch on the distance module to the ON position. Pull the trigger for about 2 seconds. The upper display will show the distance in feet or meters. Releasing the trigger will turn off distance measurement.

Figure 3. Display and Keypad View

Figure 4. Installing the Batteries

Figure 5. Two Laser Configurations

Figure 6. Field of View Positions