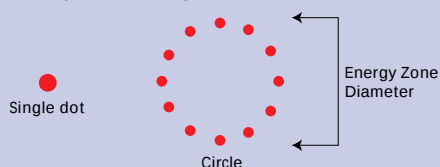


Convir **Thermosight** **Handheld** **Infrared** **Thermometer** **With Built-in Circular** **Laser Sighting &** **Thermocouple Input**

- ◆ Models Available with Temperature Ranges to 871°C (1600°F)
- ◆ Emissivity Adjustable from 0.1 to 1.00 in 0.01 Steps
- ◆ Thermocouple Input Available
- ◆ Backlit LCD Display
- ◆ Dual Digital Display Indicates Current with Min, Max, Average, or Difference Temperatures
- ◆ Built-In Laser Sighting Dot/Circle Selection
- ◆ °C/°F Selectable
- ◆ 1 mV/Degree Analog Output Standard
- ◆ Audible and Visible Alarms
- ◆ Integral Tripod Mount
- ◆ RS-232 Interface Available
- ◆ Temperature Data Storage Available
- ◆ Electronic Trigger Lock
- ◆ Last Temperature Recall

With a combination of powerful features, the new portable and rugged Thermosight OS530 series infrared thermometers offer solutions for many non-contact temperature measurement applications. Emissivity adjustable in 0.01 increments, the Thermosight OS530 series provides versatility when measuring a variety of surfaces. A custom backlit LCD display provides dual digital display of both current and max, min, diff or average temperatures simultaneously. This provides the user with more information at a glance. Built-in laser sighting creates a 12-point circle which clearly indicates the target area being measured.

Laser sight model configurations



The Thermosight OS530 also features a high alarm setpoint, providing both audible and visual indication of the alarm status. The standard 1 mV per degree analog output allows interfacing with data acquisition equipment, including chart recorders, dataloggers and computers.

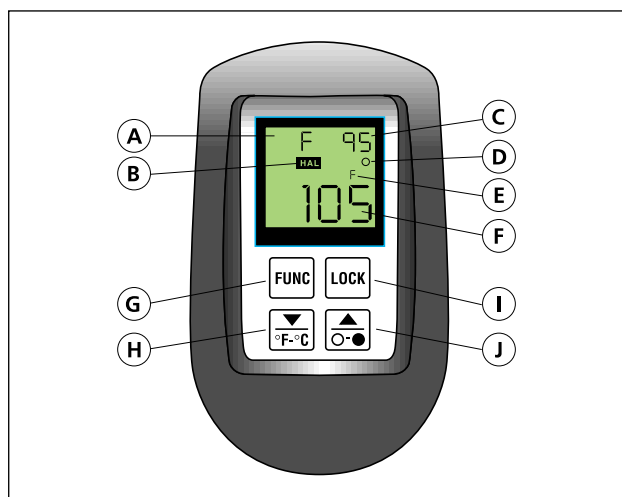
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GENERAL SPECIFICATIONS

Model Number	OS531	OS532	OS533	OS534
Accuracy	2% of reading	±1% of reading	±1% of reading	±1% of reading
Repeatability:	±(1% of reading + 1 digit)	±(1% of reading + 1 digit)	±(1% of reading + 1 digit)	±(1% of reading + 1 digit)
Range	-18 to 400°C	-18 to 540°C	-18 to 540°C	-18 to 871°C
Resolution:	1°C or 1°F	1°C or 1°F	1°C or 1°F	1°C or 1°F
Emissivity	0.10 to 1.00	0.10 to 1.00	0.10 to 1.00	0.10 to 1.00
Response Time:	250 msec	250 msec	250 msec	250 msec
Backlit Dual LCD Display	std	std	std	std
Distance to Spot Size Ratio	10:1	10:1	20:1	30:1
Spectral Response:	8 to 14 µm	8 to 14 µm	8 to 14 µm	8 to 14 µm
Differential Temperature	std	std	std	std
Min/Max Temperature	std	std	std	std
Average Temperature	std	std	std	std
High Alarm	std	std	std	std
Low Alarm	—	—	std	std
Audible Buzzer & Indicator	std	std	std	std
Ambient Target Temp Comp.	—	—	std	std
Analog Output	1 mV/deg	1 mV/deg	1 mV/deg	1 mV/deg
RS-232 Output	—	—	std	std
Thermocouple Input	—	std	std	std
Data Storage	—	—	—	std
Laser Sight (Built-In)	dot/circle	dot/circle	dot/circle	dot/circle
Trigger Lock	std	std	std	std
Last Temperature Recall	std	std	std	std
Operating Ambient:	0 to 50°C	0 to 50°C	0 to 50°C	0 to 50°C
Power:	4 'AA' batteries or ac adaptor	4 'AA' batteries or ac adaptor	4 'AA' batteries or ac adaptor	4 'AA' batteries or ac adaptor
Battery Life:	60 hr, alkaline; 10 days, lithium	60 hr, alkaline; 10 days, lithium	60 hr, alkaline; 10 days, lithium	60 hr, alkaline; 10 days, lithium
Tripod Mount:	¼ "-20 UNC	¼ "-20 UNC	¼ "-20 UNC	¼ "-20 UNC



- A Backlit LCD Display
- B High Alarm Icon
- C Emissivity Setting
- D Backlight Icon
- E °C or °F Units
- F Temperature Reading
- G Function Key/Scrolling
- H ▼ for decrementing data; °F-°C for changing units of measure
- I Locks the trigger/Enables/Disables Alarm
- J ▲ for incrementing data; ○-● for turning on/off the backlight