NEW OMEGASCOPE® Handheld Infrared Thermometer Series

With Built-In Dot/Circle Switchable Laser Sighting, Thermocouple Input and Close Focus Models

For additional features and models, please consult sales or visit omega.com

OMEGASCOPE®
OS530 From
$295
Basic Unit

MADE IN USA | 2 YEAR WARRANTY | CE | OMEGA CARE Extended Warranty Program | & EMC SERVICES

HH-DM Distance Measuring Meter Now Available!

Model OS532 shown, $550

PATENTED

Covered by U.S and International patents and pending applications

TM

Tops in its Class!

FREE datalogging software included with most models; see page J-77 for software features

Shown close to actual size

4 “AA” Alkaline batteries (2 sets included)

CAUTION! – This product is not intended for medical use or use on humans

Thermocouple Probe sold separately Model 88006, $115

OMEGASCOPE®
Unmatched Performance, Features and Value

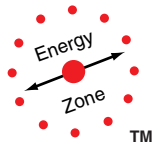
MONOGRAM® SERIES

PATENTED

Covered by U.S and International patents and pending applications

Built-In Laser Sighting

High Intensity

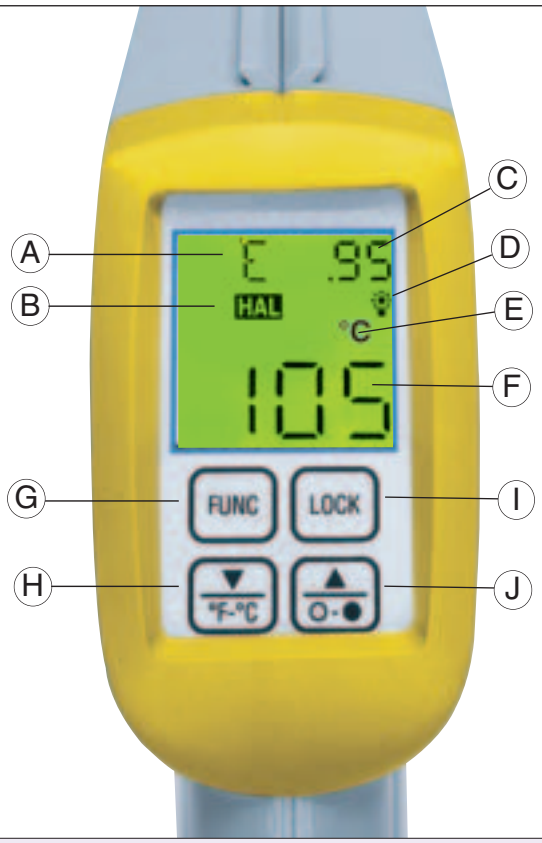


Single Dot Circle

Laser Circle to Dot Switchable™

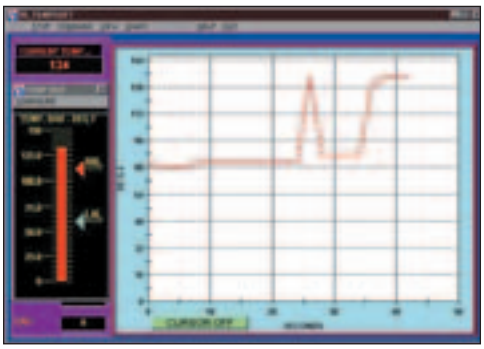
Rugged, High-Performance Design

- **Built-In Patented Laser Sighting is Switchable Between Laser Dot or Circle Patterns**
- **New Series Includes High Performance, General Purpose, Close Focus and High Resolution Models**
- **Models Available with Temperature Ranges to 870°C (1600°F)**
- **Emissivity Adjustable from 0.1 to 1.00 in 0.01 steps**
- **Backlit LCD Display**
- **Dual Digital Display Indicates Current with Min, Max, Average, or Difference Temperatures**
- **°C/°F Selectable**
- **1 mV/Degree Analog Output Standard**
- **RS-232 Output Models Include FREE Data Logging Software**
- **Audible and Visible Alarms**
- **Integral Tripod Mount**
- **Type K T/C Input Available**
- **Temperature Data Storage Available**
- **Electronic Trigger Lock**
- **Last Temperature Recall**
- **All Models Include Built-In Laser Sighting, Display and Lens Protective Bumpers, Wrist Strap, Soft Carrying Case, 4 "AA" Alkaline Batteries (2 Sets), and User's Manual with Emissivity Reference Chart**
- **Distance Measuring Option**



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

IR-TEMPSOFT™ Datalogging Software



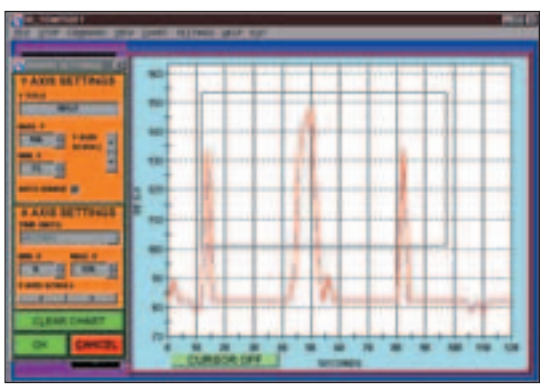
FREE!

OMEGASOFT®

Included

This Windows-based Software is Included FREE with the Following Infrared Products: OS533RS, OS534DL, OS533-CF, OS534-CF, OS523, OS524.

See Page J-77 for complete details.



OMEGASCOPE®
Handheld Thermometer Series

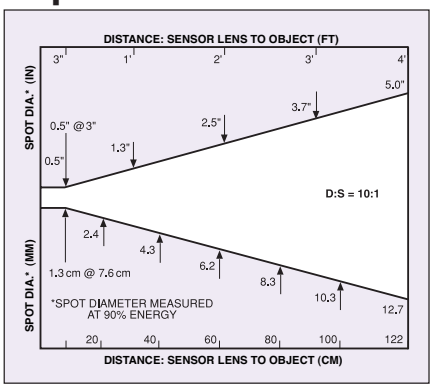
Patented Laser Switchable from Circle to Dot

With a combination of powerful features, the portable and rugged OS530 Series infrared thermometers offer solutions for many non-contact temperature measurement applications. Emissivity adjustable in 0.01 increments, the OS530 series provides versatility when measuring a variety of surfaces.

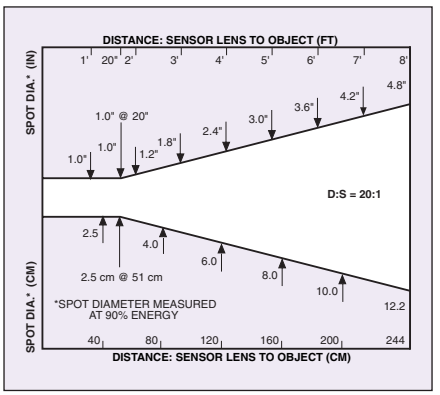
A custom backlit LCD display provides dual digital display of both current and max, min, diff or average temperatures simultaneously. This provides the user with more information at a glance. Built-in laser sighting creates a 12-point circle which clearly indicates the target area being measured.

The 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.

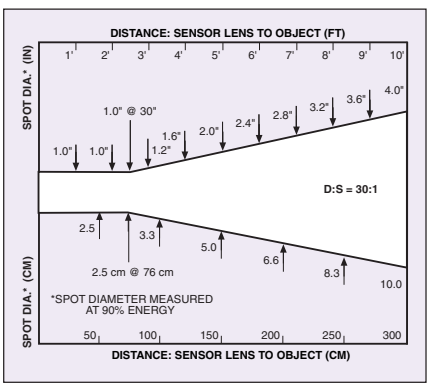
Optical Field of View



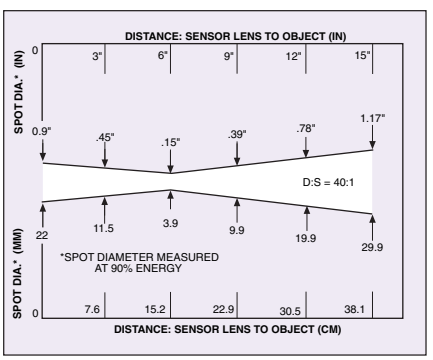
OS530L, OS532



OS530HR, OS533

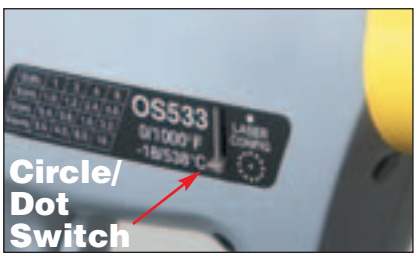


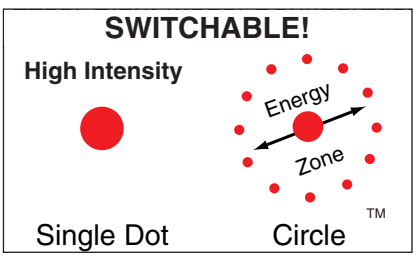
OS534



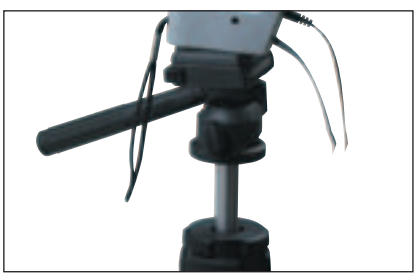
OS530L-CF, OS533-CF and OS534-CF

Standard Features





Patented Laser Sighting Switchable Between Dot and Circle Laser Pattern



Tripod Mountable

Laser Safety Switch

Analog Output Standard on all Models

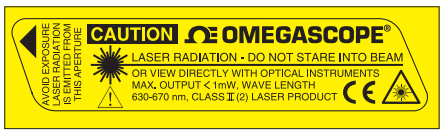
Large, Backlit Display

We make running changes when technical advances allow. Check at time of ordering for additional features.

OMEGACARE℠ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE℠ covers parts, labor and equivalent loaners.

Specifications

Repeatability: ±(1% rdg + 1 digit)
Resolution: 1°C or 1°F (0.1°C or °F on OS530HR)
Response Time: 250 msec
Spectral Response: 8 to 14 µ
Emissivity: 0.10 to 1.00 in 0.01 increments
Operating Ambient: 0 to 50°C (32 to 122°F)
Power: 4 "AA" alkaline batteries (2 sets included) or optional ac adaptor
Battery Life: 60 hr, alkaline; 10 days, lithium
Analog Output: 1 mV/°C or 1 mV/°F
Tripod Mount: ¼" to 20 UNC
Display: Backlit LCD; displays current and min or max, differential, average temperatures simultaneously
Alarm: High alarm standard, with audible and visual indication
RS-232: One way communication



OS530E-DM Series MEGASCOPE™ Built-In Distance Measuring

Now Available!

PATENTED

Covered by U.S and International patents and pending applications

Consult Sales and Engineering for Additional Information at 1-800-TC-OMEGA®

Laser Sight Specifications

Wavelength (color): 650 nm (red)
Operating Distance:
Laser Dot: 0.6 to 12 m (2 to 40')
Laser Circle: 0.6 to 4.5 m (2 to 15')
FDA Classification: Class II
European Classification: Class 2
Beam Diameter: 5 mm

Operating Temperature: 0 to 50°C (32 to 122°F)

MOST POPULAR MODELS HIGHLIGHTED!

To Order *(Specify Model Number)*

Model Number	OS530L	OS530HR	OS530L-CF	OS532	OS533-CF	OS533RS	OS534-CF	OS534DL
Price	**$295**	**$345**	**$345**	**$550**	**$695**	**$650**	**$750**	**$750**
Accuracy*	±1% rdg	±1% rdg	±1% rdg	±1% rdg	±1% rdg	±1% rdg	±1% rdg	±1% rdg
Range	-18 to 538°C 0 to 1000°F	-30 to 121°C -22 to 250°F	-18 to 538°C 0 to 1000°F	-18 to 538°C 0 to 1000°F	-18 to 538°C 0 to 1000°F	-18 to 538°C 0 to 1000°F	-18 to 871°C 0 to 1600°F	-18 to 871°C 0 to 1600°F
Emissivity	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable
Backlit Dual Display	std	std	std	std	std	std	std	std
Distance to Spot Size Ratio	10:1	20:1	0.15"@6"	10:1	0.15"@6"	20:1	0.15"@6"	30:1
Differential Temperature	std	std	std	std	std	std	std	std
Min/Max Temperature	std	std	std	std	std	std	std	std
Average Temperature	std	std	std	std	std	std	std	std
High Alarm	std	std	std	std	std	std	std	std
Low Alarm	—	—	—	—	std	std	std	std
Audible Buzzer & Indicator	std	std	std	std	std	std	std	std
Ambient Target Temp Comp.	—	—	—	—	std	std	std	std
Analog Output	1 mV/deg	1 mV/deg	1 mV/deg	1 mV/deg	1 mV/deg	1 mV/deg	1 mV/deg	1 mV/deg
RS-232 Output	—	—	—	—	std	std	std	std
Thermocouple Input	—	—	—	std	std	std	std	std
Data Storage	—	—	—	—	—	—	std	std
Laser Sight (Built-In)	dot/circle	dot/circle	dot	dot/circle	dot	dot/circle	dot	dot/circle
Trigger Lock	std	std	std	std	std	std	std	std
Last Temperature Recall	std	std	std	std	std	std	std	std
Distance Measuring	optional	optional	—	optional	—	optional	—	optional

** or 1.7°C (3°F), whichever is greater. Model OS530HR has 0.1° display resolution.*

Ordering Examples: OS532**, handheld infrared thermometer with built-in dot/circle laser sighting, thermocouple input, plus **OCW-3**, OMEGACARE℠ 3 -year extended warranty, **$550 + 137 = $687. OS534-CF,** close-focus handheld infrared thermometer with built-in laser sighting, thermocouple input and RS-232 output, plus **OCW-3** OMEGACARE℠ 3-year extended warranty, **$750 + 187 = $937.

Accessories

Model No.	Price	Description
OS520-ADAPTOR-110V	**$25**	110 Vac wall adaptor
OS520-ADAPTOR-220V	**$25**	220 Vac wall adaptor
OS520-RCC	**30**	Hard carrying case
OM-3000-SC	**15**	Soft carrying case (spare)
88013K	**110**	Surface probe, up to 815°C (1500°F)
88001K	**110**	Surface probe, up to 482°C (900°F)
CAL-3-IR	**125**	NIST Traceable Calibration
TRIPOD	**45**	Lightweight tripod with carrying case
HH-DM	**75**	Distance measuring meter with mounting bracket

HH-DM distance measuring meter sold separately, $75

Lightweight tripod with carrying case sold separately, $45

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