



OMEGASCOPE® Handheld Infrared Thermometer Series

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

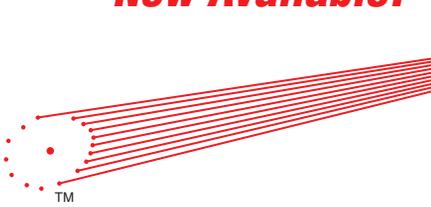
With Built-In Dot/Circle Switchable Laser Sighting, Thermocouple Input and Close Focus Models

OMEGASCOPE®
OS530 From
\$295
Basic Unit

Model OS532 shown,
\$550



**HH-DM Distance
Measuring Meter
Now Available!**



PATENTED

Covered by U.S and International patents and pending applications

**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

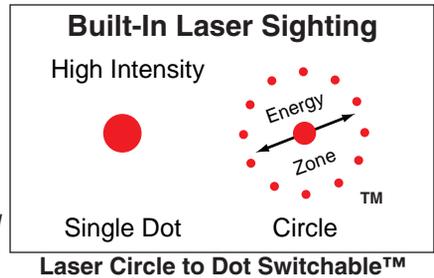
Thermocouple Probe
sold separately
Model 88006, \$115

OMEGASCOPE® Unmatched Performance, Features and Value

**MONOGRAM®
SERIES**

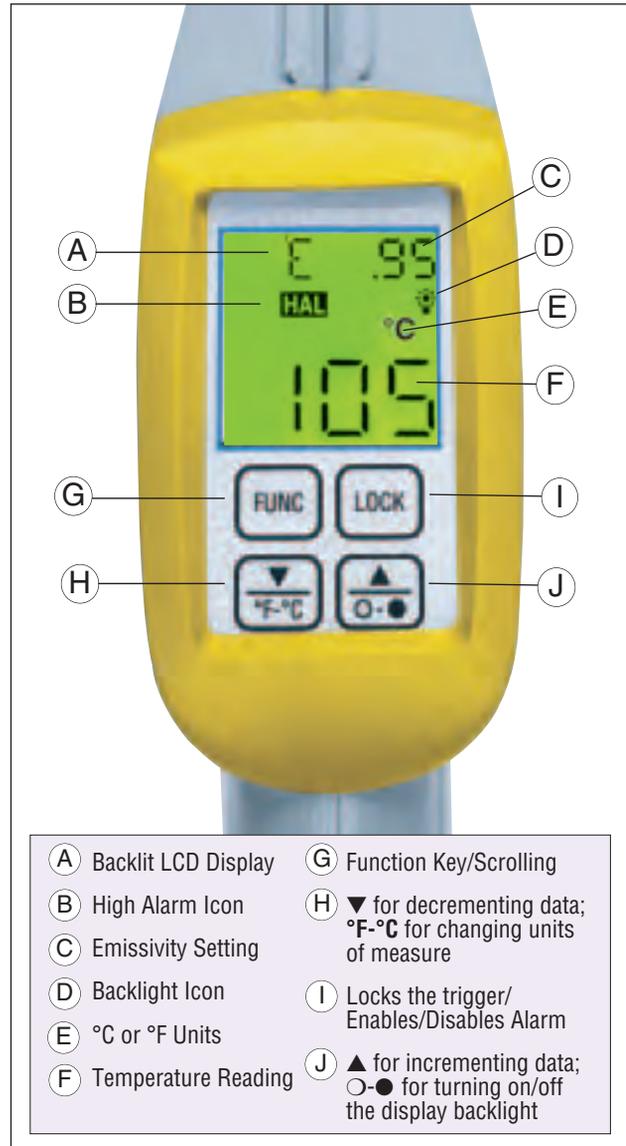
PATENTED

*Covered by U.S and
International patents and
pending applications*

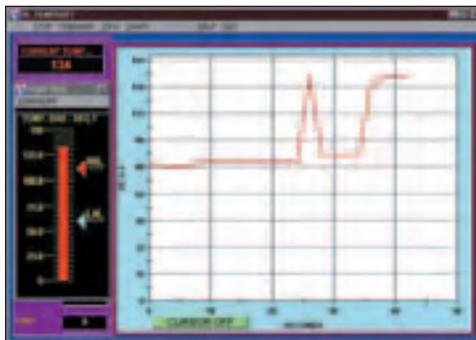


Rugged, High-Performance Design

- ✓ 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



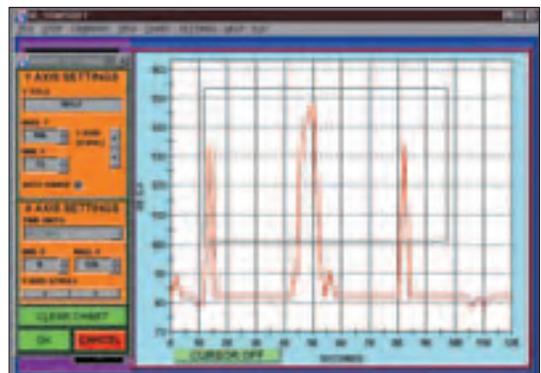
IR-TEMPSOFT™ Datalogging Software



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.

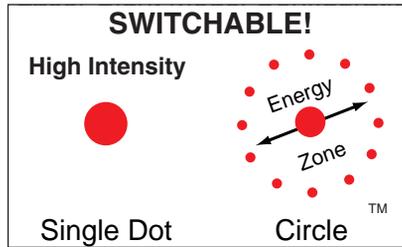
A custom backlit LCD display provides dual digital display of both current and max, min, diff or average temperatures simultaneously. This provides the user with more information at a glance. Built-in laser sighting creates a 12-point circle which clearly indicates the target area being measured.

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.

Standard Features



**Patented Laser Sighting Switchable
Between Dot and Circle Laser Pattern**



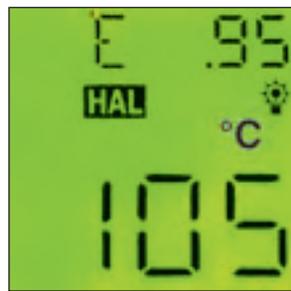
Tripod Mountable



Laser Safety Switch



**Analog Output Standard
on all Models**

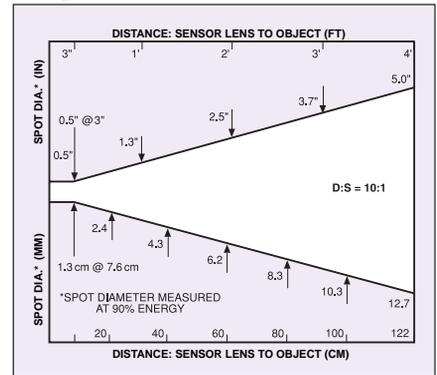


**Large, Backlit
Display**

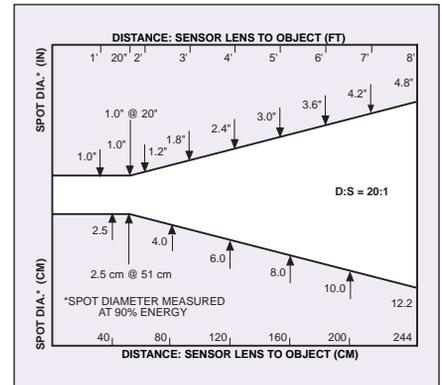
We make running changes when technical advances allow. Check at time of ordering for additional features.

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

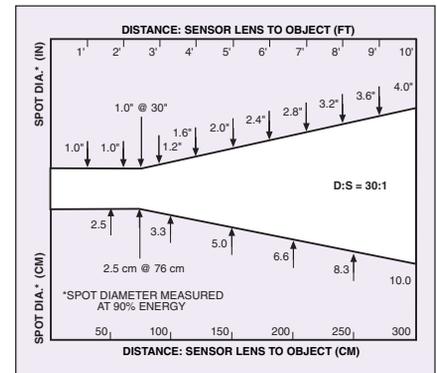
Optical Field of View



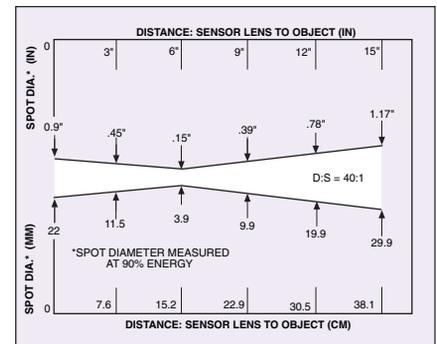
OS530L, OS532



OS530HR, OS533



OS534



OS530L-CF, OS533-CF and OS534-CF

Specifications

Repeatability: $\pm(1\% \text{ rdg} + 1 \text{ digit})$
Resolution: 1°C or 1°F (0.1°C or $^\circ\text{F}$ on OS530HR)
Response Time: 250 msec
Spectral Response: 8 to 14μ
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
Analogue Output: 1 mV/ $^\circ\text{C}$ or 1 mV/ $^\circ\text{F}$
Tripod Mount: $\frac{1}{4}$ " 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*	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ 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 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
Analogue 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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