



# OMEGASCOPE®

## Handheld Infrared Thermometer

### Loaded with Features. New Distance Measurement Option Available!

OMEGASCOPE®  
OS533E

£369

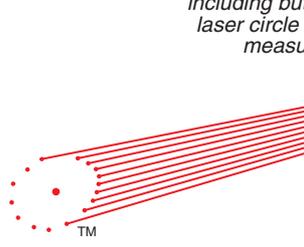
Other models available  
starting at £198



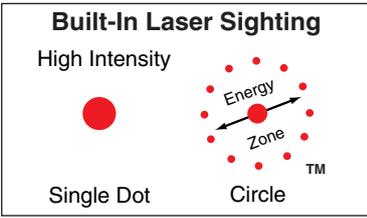
#### PATENTED

Patents issued and pending on many aspects of this device including but not limited to laser circle and distance measurement.

**New!**  
Built-In Distance Measurement Option Available!  
Visit [omega.co.uk](http://omega.co.uk)



#### Laser Circle to Dot Switchable™



**FREE SOFTWARE INCLUDED**

4 "AA" Lithium batteries included

Shown with probe model 88006K-IEC, £77.05, sold separately

Shown close to actual size

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

# OMEGASCOPE®

## Unmatched Performance, Features, and Value



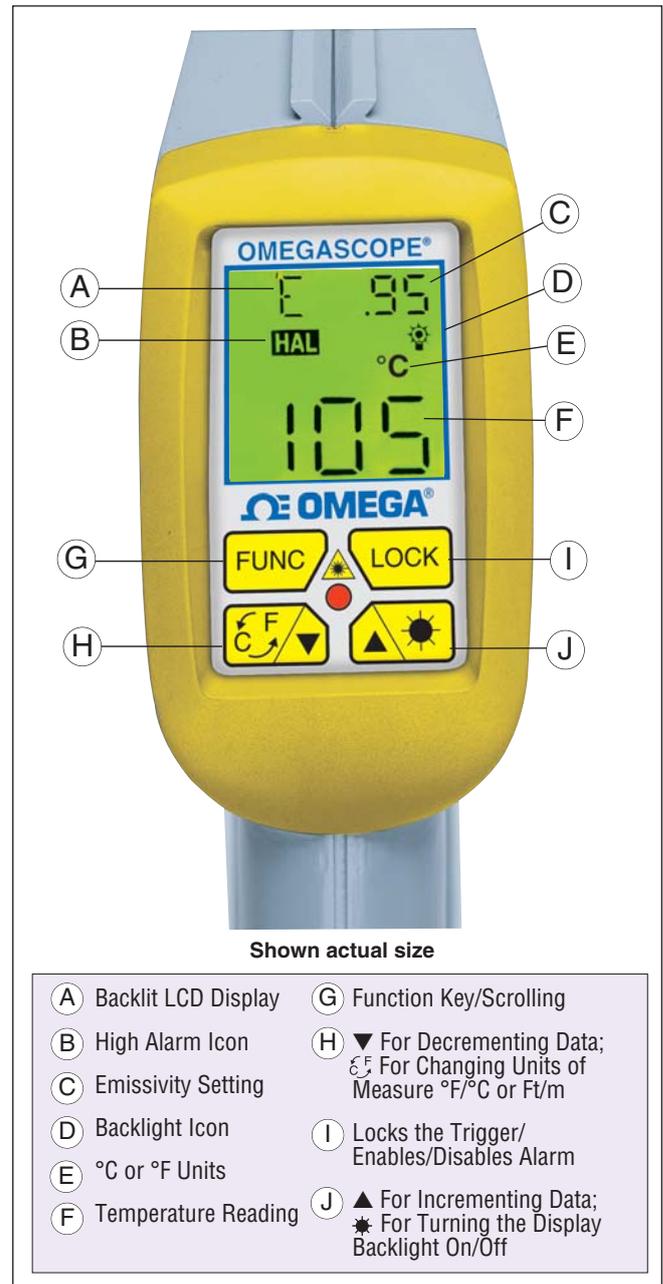
### PATENTED

Patents issued and pending on many aspects of this device including but not limited to laser circle and distance measurement.

## MONOGRAM SERIES

### Rugged, High-Performance Design

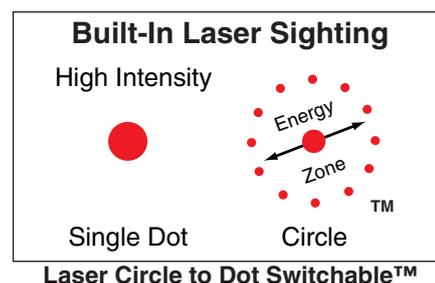
- ✓ Built-In Patented Laser Sighting is Switchable Between Laser Dot or Circle Patterns
- ✓ The Laser Can be Flashing or Continuous
- ✓ New Series Includes Models with High-Performance, General Purpose, Close Focus, and High Resolution
- ✓ Models Available with Temperature Ranges from -23 to 871°C
- ✓ Emissivity Adjustable from 0.1 to 1.00 in 0.01 Steps
- ✓ Distance Measuring Option— Either Field Mountable or Built-In (0.9 and 9 m Range)
- ✓ Digital Video Camera Option Available
- ✓ Backlit LCD Display
- ✓ Dual Digital Display Indicates Current with Min, Max, Average, or Difference Temperatures
- ✓ °C/°F Selectable
- ✓ 1 mV/Degree Analogue Output Standard
- ✓ RS232 Output Models Include **FREE** Data Logging Software
- ✓ Audible and Visible Alarms
- ✓ Integral Tripod Mount
- ✓ Type K Thermocouple 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” Lithium Batteries, and User’s Manual with Emissivity Reference Chart



Shown actual size

- |                         |  |
|-------------------------|--|
| (A) Backlit LCD Display | (G) Function Key/Scrolling   |
| (B) High Alarm Icon     | (H) ▼ For Decrementing Data; ⌂ For Changing Units of Measure °F/°C or Ft/m |
| (C) Emissivity Setting  | (I) Locks the Trigger/ Enables/Disables Alarm                              |
| (D) Backlight Icon      | (J) ▲ For Incrementing Data; ★ For Turning the Display Backlight On/Off    |
| (E) °C or °F Units      |  |
| (F) Temperature Reading |  |

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

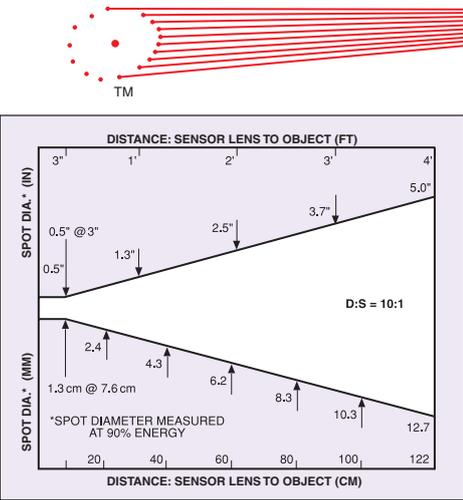




# OMEGASCOPE® Handheld Infrared Thermometer Series Field of View

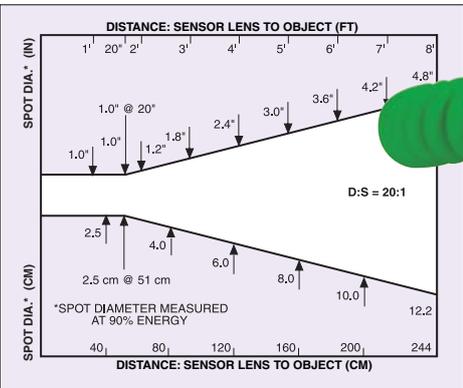
All models available with built-in distance measuring option. Consult sales for more information.

Model OS533E-DM with built-in distance measuring option, shown smaller than actual size, £419



OS530LE, OS530LE-DM, OS532E and OS532E-DM

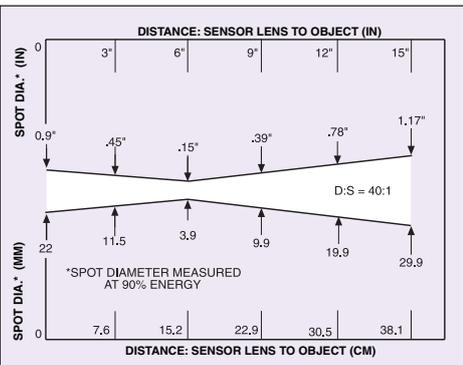
4 "AA" lithium batteries and/or one 9 V battery included



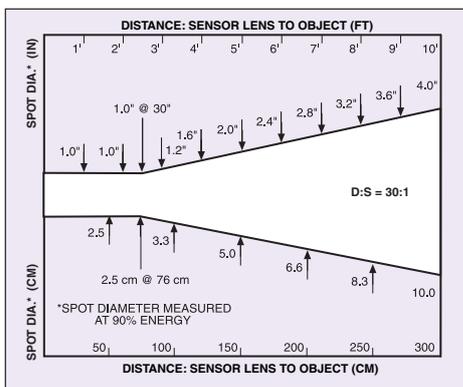
OS530HRE, OS530HRE-DM, OS533E and OS533E-DM

FREE data logging software included with most models. Please consult sales or visit [omega.co.uk](http://omega.co.uk)

Probe sold separately Model 88006K-IEC, £77.05



OS530LE-CF, OS533E-CF and OS534E-CF



OS534E and OS534E-DM

**For Distance Measurement and Digital/Video Camera Options, Please See Page 71.**

OMEGACARE<sup>SM</sup> extended warranty programme is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labour and equivalent loan instrument.





## Specifications

**Repeatability:**  $\pm(1\% \text{ rdg} + 1 \text{ digit})$   
**Resolution:**  $1^\circ\text{C}$  or  $1^\circ\text{F}$  ( $0.1^\circ\text{C}$  or  $^\circ\text{F}$  on OS530HRE)  
**Response Time:** 100 msec  
**Spectral Response:** 8 to 14  $\mu\text{m}$   
**Emissivity:** 0.10 to 1.00 in 0.01 increments  
**Operating Ambient:** 0 to  $50^\circ\text{C}$   
**Power:** 4 "AA" lithium batteries included or optional AC adaptor  
**Battery Life:** 80 hr, alkaline; 14 days, lithium (without laser sighting)  
**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  
**RS232:** Two-way communication  
**Laser Sight Specifications**  
**Wavelength (colour):** 650 nm (red)  
**Operating Distance:**  
**Laser Dot:** 0.6 to 12 m  
**Laser Circle:** 0.6 to 4.5 m  
**FDA Classification:** Class II  
**European Classification:** Class 2  
**Beam Diameter:** 5 mm  
**Operating Temperature:** 0 to  $50^\circ\text{C}$



**MOST POPULAR MODELS HIGHLIGHTED!**

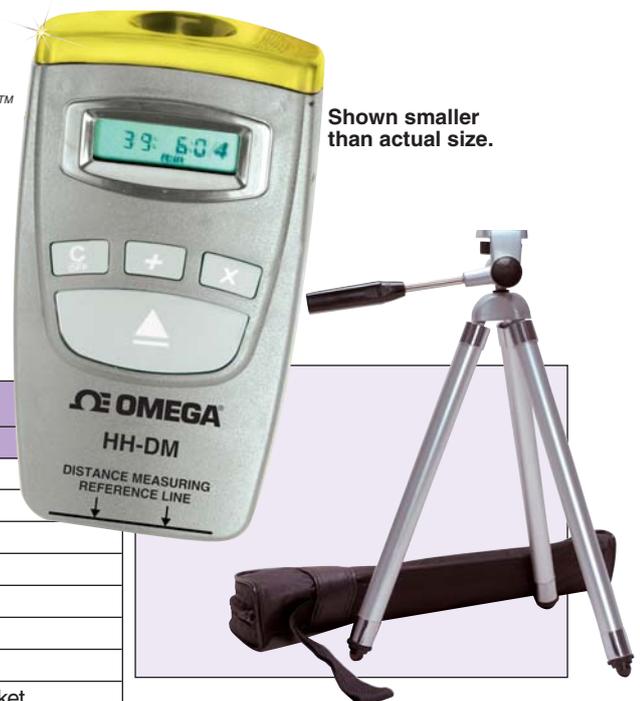
To Order (Specify Model Number)								
Model Number	OS530LE	OS530HRE	OS530LE-CF	OS532E	OS533E-CF	OS533E	OS534E-CF	OS534E
Price (Basic Unit)	£198	£232	£232	£302	£369	£369	£436	£436
Accuracy*	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg	$\pm 1\%$ rdg
Range	-23 to $538^\circ\text{C}$ -10 to $1000^\circ\text{F}$	-30 to $121^\circ\text{C}$ -22 to $250^\circ\text{F}$	-23 to $538^\circ\text{C}$ -10 to $1000^\circ\text{F}$	-23 to $871^\circ\text{C}$ -10 to $1600^\circ\text{F}$	-23 to $871^\circ\text{C}$ -10 to $1600^\circ\text{F}$			
Emissivity	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable	adjustable
Display Resolution	$1^\circ$	$0.1^\circ$	$1^\circ$	$1^\circ$	$1^\circ$	$1^\circ$	$1^\circ$	$1^\circ$
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
RS232 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

\* Or  $1.7^\circ\text{C}$ , whichever is greater.

**Ordering Examples:** **OS530LE**, handheld infrared thermometer with built-in Laser Circle to Dot Switchable™ feature and thermocouple input, plus **OCW-3**, OMEGACARE™ 3-year extended warranty, £198 + 58 = **£256**.

**OS532E**, handheld infrared thermometer with built-in Laser Circle to Dot Switchable™ feature and thermocouple input, plus **OCW-3**, OMEGACARE™ 3-year extended warranty, £302 + 92 = **£394**.

**OS534E-CF**, close-focus handheld infrared thermometer with built-in Laser Circle to Dot Switchable™ feature, thermocouple input and RS232 output, plus **OCW-3** OMEGACARE™ 3-year extended warranty, £436 + 109 = **£545**.



Shown smaller than actual size.

HH-DM field installable distance-measuring meter, £50.25, and lightweight tripod with carrying case, £30.15, sold separately.

## Accessories

To Order (Specify Model Number)		
Model No.	Price	Description
UNI-ADAP-9V	£16.75	Universal 9 V adaptor
OS520-RCC	20.10	Hard carrying case
OM-3000-SC	10.05	Soft carrying case (spare)
88013K	73.70	Surface probe, up to $815^\circ\text{C}$
88001K	73.70	Surface probe, up to $482^\circ\text{C}$
CALIBRATION	90.00	Traceable calibration certificate
TRIPOD	30.15	Lightweight tripod with carrying case
HH-DM	50.25	Distance-measuring meter w/mounting bracket 1 to 9 m
DV-CAM	50.25	Digital video camera