

# Close Focus Infrared Pyrometers

## Non-Contact Surface Measurement of Temperature and Heat Flow

OS-610/OS-620 Series  
Starts at  
**£332**



- ✓ Easy to Use
- ✓ Fast Response
- ✓ °C/°F Switchable
- ✓ 1 mV Per Degree
- Analogue Output Optional

### Applications

- ✓ Safely Measures Electrical Components, Dangerous and Inaccessible Materials
- ✓ Non-Destructive Testing of Circuit Boards, Motors and Bearings, Steam Traps, Injection Moulding
- ✓ Heat Flow Models (OS-620 Series) for Energy Conservation, Estimation of R-Value (U-Value), Preventive Maintenance, Location of Insulation Defects

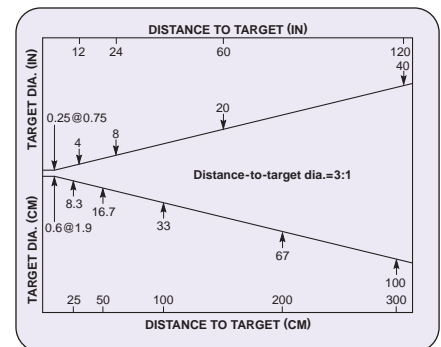
The OS-610 and OS-620 Series pyrometers from OMEGA contain a passive sensor which receives and measures (heat) radiation from an object. Since temperature is measured without contact, measurements are made rapidly (one second) so that thermal patterns and transient phenomena can be observed. Since heat is not removed from the measured object, accuracy is assured. Moving objects, dangerous materials and electrical components can be safely measured.



The OS-620 Series infrared energy meters have the additional feature of measuring heat loss (or gain) through walls and windows without physical contact. These versatile units are designed to measure the temperature of building materials such as paper, plaster, ceramic, stone, concrete and glass that have emissivities between 0.9 and 1.0.

Net heat flow is measured inside the building by switching the instrument to BTU (or watts) and aiming at a wall or surface which represents the internal temperature of the building. The display is then "zeroed," using the zero adjust control. Net heat flow in BTU (or watts) is then displayed when the instrument is aimed at an exterior wall or window.

Complete with sensing head, electronics, 9 V battery, and display. SC-600 carrying case sold separately, £13.50.



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 unit.

#### Accessories

Model No.	Price	Description
OS-600-STAND	£39	Probe stand
OS-610-MOUNT	40	Preset distance mount
SC-600	13.50	Soft carrying case
CAL-3-IR	90	Traceable calibration



#### Specifications

	OS-611 OS-612	OS-614	OS-621 OS-622
Accuracy	±1% rdg ±1 digit	±1°C/1°F ±1 digit	±1% rdg ±1 digit
Repeatability	±0.5% rdg ±1 digit		
Minimum Target Size	1/4" dia. at 3/4" distance		
Distance to Target Ratio	3 to 1		
Emissivity	0.2 to 1.0 adjustable		0.95 fixed
Response Time	One second		
Spectral Response	8 to 14 microns		
Analog Output	1 mV per degree (optional)*		Not available
Power Source	9 V alkaline battery (included)		
Battery Life	200 hours continuous		
Ambient Temperature	0 to 50°C (32 to 120°F)		
Size of Probe	3.3 H x 3.3 W x 15.9 cm D (1.3 x 1.3 x 6.2")		
Size of Display Unit	3.3 H x 8.1 W x 15.7 cm D (1.3 x 3.2 x 6.2")		
Weight of Probe	142 g (5 oz)		
Weight of Display Unit	272 g (9.6 oz)		

☐ **MOST POPULAR MODELS HIGHLIGHTED!**

#### To Order (Specify Model Number)

Model No.	Price	Range	Resolution	Emissivity	Applications
OS-611	£332	0 to 315°C 0 to 600°F	1°C 1°F	0.2 to 1.0	Most popular model; suits most application needs
OS-612	399	-55 to 125°C -67 to 260°F	1°C 1°F	0.2 to 1.0	Low temperature model
OS-614	436	0 to 90°C 0 to 200°F	1°C 1°F	0.2 to 1.0	High accuracy model ±1°F/1°C
OS-621	385	0 to 500°F 0 to 2000 BTU/ft² hr	1°F 1 btu/ft² hr	Fixed at 0.95	Temperature and heat flow measurement for energy conservation, insulation defects, and plant maintenance
OS-622	385	0 to 260°C 0 to 2000 W/m²	1°C 1 W/m²	Fixed at 0.95	

\* To order with optional analogue output/ac power, add suffix "-A" to model no. and add £33.50 to price.

Comes with sensing head, electronics, 9 V battery and operator's manual.

**Ordering Example:** OS-614, high accuracy model pyrometer with 0 to 90°C (0 to 200°F) range with SC-600, carrying case, £436 + 13.50 = **£449.50**.

OCW-3, OMEGACARE<sup>SM</sup> extends standard 2-year warranty to a total of 5 years (£110).



## UNITED STATES

[www.omega.com](http://www.omega.com)

1-800-TC-OMEGA  
Stamford, CT.

## CANADA

[www.omega.ca](http://www.omega.ca)

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1-800-TC-OMEGA

## GERMANY

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0800-8266342

## UNITED KINGDOM

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