

Infrared Thermometers



OS540 Series



- ✓ LCD with Backlight
- ✓ Circle/Dot Laser On/Off Switch (OS542)
- ✓ Auto Power-Off
- ✓ °C/°F Switchable
- ✓ Field of View; Model OS542: 12 to 1 Model OS543: 10 to 1
- ✓ Display Hold Function

The OS542 and OS543 are low priced infrared, which are ideal for education, training and demonstration programs. Industrial applications include diesel and fleet maintenance, electrical, measure ink and dryer temperature (screen-printing), in-process temperature measurement and food safety. Laser sighting helps locate target at a distance.

Specifications

Display: 4 digit LCD

Display Illumination: Backlight by LCD

Field of View:

OS542: 12:1

OS543: 10:1

Target Indicator: Laser dot or circle

Emissivity:

OS542: 0.98 (fixed)

OS543: 0.95 (fixed)

Power Off: Automatic power off after 10 to 15 seconds

Temperature Range:

OS542: -20 to 500°C (-4 to 932°F)

OS543: -30 to 550°C (-22 to 1022°F)

Accuracy: ±2°C (4°F) or ±2% of reading

Resolution:

OS542: 0.1°C (0.2°F)

OS543: 0.5°C (1°F), -9.5 to 199.5°C/°F

Repeatability: ±1% of rdg or ±1°C (2°F)

Storage Conditions:

-10 to 60°C (14 to 140°F), 0 to 75% RH

Operating Ambient:

OS542: 0 to 40°C (32 to 104°F),

10 to 90% RH

OS543: 0 to 50°C (32 to 122°F),

10 to 75% RH

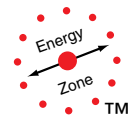
Response Time: 0.5 second

Battery: 9V alkaline (included)

Battery Life: Approximately 9 hours

Patented Laser Sighting Circle or Dot Switchable

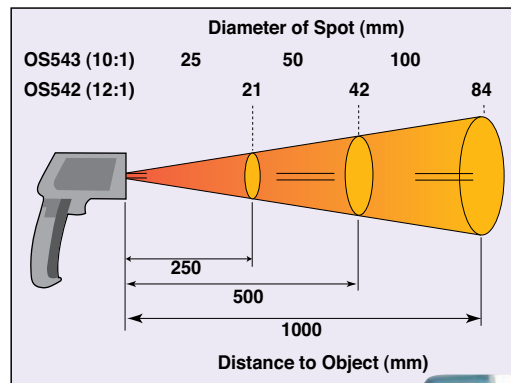
Switch From Circle To High Intensity Dot



PATENTED

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

Field of View Diagram



Dimensions:

OS542:

157.5 L x 115 W x 36 mm D

(6.2 x 4.5 x 1.4")

OS543: 148 L x 105 W x 42 mm D

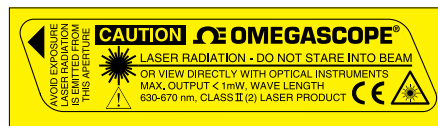
(5.8 x 4.1 x 1.6")

Weight: 180 g (6.3 oz)

Spectral Response:

6 to 14 micron

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



OS543.

To Order

Model No.	Description
OS542	12:1 infrared thermometer
OS543	10:1 infrared thermometer

Comes complete with 9V battery, carrying pouch, operator's manual and laser circle to dot switchable sighting included (model OS542, OS543 laser dot only).

Ordering Examples: OS542, infrared thermometer.

OCW-3, OMEGACARESM extends standard 1-year warranty to a total of 4 years.