

Dual Non-Contact Laser High-Temperature Infrared Thermometer

75:1 Narrow Field of View



OS768-LS



OS768-LS shown smaller than actual size.

- ✓ Wide Measurement Range: Infrared Up to 1800°C (3272°F)
- ✓ Dual Laser Points for the Target Spot Size
- ✓ Hi/Lo Temperature Audible Alarm
- ✓ Memory Mode Records and Displays the Specific Temperature with Emissivity
- ✓ USB Function
- ✓ Mini Thermocouple Socket for Contact Measurements Up to 1400°C (2552°F)
- ✓ Large LCD Display with Backlighting
- ✓ Min, Max, Diff, Avg, Lock Modes
- ✓ Laser and Backlight On/Off Control
- ✓ Emissivity Adjustable from 0.1 to 1.00 (Preset at 0.95)
- ✓ °C/°F Switch Mode
- ✓ Type K T/C Input
- ✓ Magnetic Stand (Included)

Applications

- ✓ Building Maintenance
- ✓ Process Control
- ✓ Aviation Ground Support
- ✓ Automation

OMEGA's OS768-LS is the ultimate tool for temperature measurement. Accurately verify surface temperatures with two of the most reliable temperature sensors:

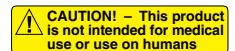
- Non-contact micro-machined thermopile
- Type K thermocouple input (free T/C included)

Such an arrangement can fulfill most temperature measurement requirements. The non-contact infrared measurement is ideal for non-reachable situations, due to safety or sanitary reasons—instant readings, safely and reliably.

Or use the thermocouple for high precision measurement of contact surfaces, gases and liquids.

The OS768-LS can also help measure emissivity, which is often difficult for a user to determine. Use the Type K thermocouple contact to measure the true temperature. Then, use the non-contact infrared to get the surface temperature. Adjust the emissivity until they are the same, with the option to use the same emissivity setting for that object next time. No more guess work, no more looking up on Emissivity Table.

This unit also comes with an ultra-long battery life (2 AAA batteries are included).





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To Order	
Model No.	Description
OS768-LS	Dual laser infrared thermometer, 75:1, with laser, Type K

Comes complete with CD, USB cable, 1 Type K thermocouple, 2 "AAA" batteries, magnetic stand and operator's manual.

Ordering Example: OS768-LS dual laser infrared thermometer, 75:1, with laser, and Type K.

Specifications

Item	Non-Contact Infrared Scan Function	Thermocouple Scan Function (Type K, bead wire included)
Measurement Range	100 to 1800°C (212 to 3272°F)	Type K: -64 to 1400°C (-83.2 to 2552°F) Bead: -50 to 250°C (-58 to 482°F)
Operating Range	0 to 50°C (32 to 122°F)	
Accuracy (T amb= 23±3°C)	±2% of reading	±1% of reading or 1°C (1.8°F) whichever is greater (Test under T amb = 23±6°C)
Emissivity Range	0.95 default – adjustable 0.1 to 1 step .01	
Resolution	0.1°C/0.1°F at -83.2 to 999.9 (°C/°F), otherwise 1°C/1°F	
Response Time (90%)	1 second	
Distance: Spot	75:1	
Memory	Detailed 24 memories with temperature and emissivity	
USB Function	Please download the program from CD (enclosed with the package)	
Battery Life	Between 140 and 180 hours continuous use (Alkaline, without laser and backlight)	
Dimensions	204.14 x 179.19 x 58.40 mm (8.04 x 7.05 x 2.30 inch)	
Weight	355 grams (12.52 oz) including batteries (2 "AAA" batteries included)	