Dual Laser Infrared Thermometer

OS499 Series

- Infrared Up to 760°C (1400°F)
- Dual Lasers for Better Targeting
- High DS (Distance to Spot) Ratio up to 30:1
- Color Bar Displays Temperature in Max/Min Mode
- Built-In Flashlight
- Mini Thermocouple Socket up to 1400°C (2552°F)
- Large LCD with Power Backlight
- Ave, Dif, Max, Min, Lock Modes
- Hi/Lo Temperature Audible Alarm
- Laser/LED and Backlight On/Off Control
- Emissivity Adjustable from 0.1 to 1.00 (Preset at 0.95)
- °C/°F Selectable

The OS499 Series are fully functional infrared non-contact temperature measuring devices and compatibility with Type K thermocouples. Unit has a very long battery life (typical 8 days), is obtained from 2 “AAA” batteries (included). The model with 30:1 field of view measures small and distant targets. Display backlight enables night and low light viewing. These features give the OS499 the versatility to meet most temperature measurement requirements.

Specifications

Measurement Range:
- OS499L-12: -60 to 550°C (-76 to 1022°F)
- OS499L-30: -60 to 760°C (-76 to 1400°F)

Full Range Accuracy (Tamb=23 ±3°C):
- Tobj = -60 to 0°C: ±(2+0.05/°C) °C
- Tobj = -0 to 760°C: ±2% of reading or 2°C (4°F) whichever is greater

Distance: Spot
- OS499L-12: 12:1
- OS499L-30: 30:1

Mode: Ave, dif, hi/low alarm, real time max/min, lock; color bar display

Thermocouple Probe: Small socket, K type, 12 minutes auto power off

Measurement Range*: -60 to 1400°C (-83.2 to 2552°F)

Probe Accuracy: ±1% of reading or 1°C (1.8°F) whichever is greater (test under Tamb = 23 ±6°C)

Dimensions: 119 x 48 x 172 mm (4.7 x 1.87 x 6.76”)

Weight: 255.7 g (9.02 oz)

*Actual temperature range depends on the Type K thermocouple probe selected.

To Order (Specify Model Number)

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<th>Description</th>
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<td>OS499L-12</td>
<td>12:1 IR thermometer</td>
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<td>OS499L-30</td>
<td>30:1 IR thermometer</td>
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<td>SC-560</td>
<td>Soft holster carrying case</td>
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<td>KHXL-14G-RSC-12</td>
<td>Type K utility handle probe</td>
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Comes complete with 1 Type K thermocouple, operator’s manual and 2 “AAA” batteries.

Ordering Example: OS499L-30, infrared thermometer 30:1 field of view. OCEW-3 OMEGACARE extends standard 1-year warranty to a total of 4 years.

Extended Warranty Program

OS499 models include a free 1 m (40”) Type K insulated beaded wire thermocouple with subminiature connector and wire spool caddy. Order a Spare! Model No. SC-GG-K-30-36

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- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**
  Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ethernet and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Pressure Transmitters, Strain Gauges, Torque Transducers, Valves

- **Heaters**