Backlight Source
For Infrared and Fiber Optic Sensors

The model OS1500-BLS backlight source is used when precise aiming of line-of-sight or fiber optic detectors is necessary. It defines the exact measurement area by projecting an image of light at the center of the spot being measured on the target surface. When used with line-of-sight sensors, an optional fiber cable (model OS1500-BLF) connects the detector head and the backlight source. Light is transferred down the fiber and through the lens assembly, creating a spot on the target where the temperature is being measured. The light source consists of a high intensity lamp, a dimmer control and a cooling fan. The average lamp life at maximum brightness is approximately 12 hours. No adjustments or preventive maintenance are required, other than ensuring that the air vents are clean and no residue is allowed to accumulate in the fiber chuck.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OS1500-BLS</td>
<td>$495</td>
<td>Backlight source for infrared and fiber optic sensors</td>
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<tr>
<td>OS1500-BLF</td>
<td>145</td>
<td>Backlighting fiber assembly for use with OS1500-BLS light source</td>
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<tr>
<td>OS1500-RC</td>
<td>35</td>
<td>Replacement bulbs</td>
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</tbody>
</table>

To Order (Specify Model Number)

OS1500-BLS: 100 to 1046°C (212 to 1915°F), 44.5 mm (1.75") cavity, 0.985 emissivity.
More than 100,000 Products Available!

- **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**