**Description:**

OS136 using non-contact temperature measurement device. Provide 4-20mA current output it can be easily installed in a variety of applications, especially suitable for long distances, install more noise industrial environments. The probe uses a stainless steel shell, in the industrial

**Performance:**

- **Spectral Range:** 1.6um/1um
- **Accuracy @ 25°C:** ±0.5% or 1°C
- **Repeatability @ 25°C:** ±0.5% or 5°C
- **Response Time:** 10ms(95%)
- **Emissivity:** 0.10-1.00
- **Analog Output:** 4-20mA with 750 ohm Max. load
- **Power:** 24 VDC -5%
- **Sight:** Laser Sighting (Level 2 laser, the maximum output power 1mW, 650nm)
- **Operating Ambient Temperature:** 10 to 60°C (Without Cooling)
- **Storage Temperature:** 20 to 70°C
- **Protection class:** IP65
- **Weight (sensor only):** 0.9kg

**Dimensions:**

- Light circuit diagram (Optical properties and lens)
- Reference dimensions (mm)
- Field with good protection
- Factory-Installed Sensor Options
  - Mounting Adapters
  - RAM (Right Angle Mount)
  - MFL (Mounting Flange-Large)
- Digital Panel Meter

**Standard lenses SF:** Measure distance >480mm, (24mm / 1200)
- Resolution: Near focal lens CF1: 1.8mm, CF2: 0.9mm
- Near focal lens CF1: 200-520mm
- Near focal lens CF2: 120-320mm

Diameter measurement points depend on the target and the distance between probes, Measuring point size reference 90% of the radiation energy.
HOW TO ORDER

Basic Model: OS136

Output:

<table>
<thead>
<tr>
<th>Order code</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>V</td>
<td>0-5VDC</td>
</tr>
<tr>
<td>I</td>
<td>4-20mA</td>
</tr>
</tbody>
</table>

Temperature Range:

<table>
<thead>
<tr>
<th>Temperature Range</th>
<th>°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>18–53°C</td>
</tr>
<tr>
<td>2</td>
<td>200–1000°C</td>
</tr>
<tr>
<td>3</td>
<td>300–1400°C</td>
</tr>
<tr>
<td>4</td>
<td>600–2000°C</td>
</tr>
</tbody>
</table>

Ordering Example:
OS136 - V - 2