**OPTEX Product Information**

**Pen-type Non-contact Infrared Thermometer**

**THERMO-HUNTER PT-3S**

**Φ 2.5mm spot** of heat is measured. Audible focusing guide lets you know the best focus lighten up with LED marker.

- Minimum Spot Size: Φ 2.5mm
- Audible Focussing Guide
- LED Spot Marker
- Display Range: -30 to 230°C
- Resolution: 0.1°C/°F
- Repeatability: ±1°C
- Analogue Output: (1mV/°C)

**PHOTO: Actual Size**
**Dimensions**

![Dimension Diagram]

**Field of View**

![Field of View Diagram]

**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>PT-3S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measuring range</td>
<td>0 to 200°C</td>
</tr>
<tr>
<td>Display range</td>
<td>-30 to 230°C</td>
</tr>
<tr>
<td>Field of view</td>
<td>ø2.5/25mm</td>
</tr>
<tr>
<td>Sensing element/Wavelength</td>
<td>Thermopile/8 to 14μm</td>
</tr>
<tr>
<td>Response time</td>
<td>1.5sec/99%</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.9°C at 25°C ±3°C</td>
</tr>
<tr>
<td>Repeatability</td>
<td>±1°C of reading value</td>
</tr>
<tr>
<td>Sight method</td>
<td>Red LED spot marker</td>
</tr>
<tr>
<td>Display resolution</td>
<td>-30.0 to 199.9°C + 0.1°C / 200 to 230°C + 1°C</td>
</tr>
</tbody>
</table>

**Emissivity (ε) adjustment**

- DARK/BRIGHT (Switchable)
- Temperature unit: °C/°F (Switchable)
- Analog output: 1mV/°C (°F)
- Hold function: Normal/Max (Switchable)
- Power supply: AAA alkaline dry battery x 3piece
- Battery life: Approx. 40 hours with alkaline battery
- Ambient temperature: 0 to 50°C
- Weight: 120g

*Specifications are subject to change for product improvement without prior notice.

**Easy operation (1 shot mode)**

1. Press the Measure button to turn on the power.
2. Bring PT-3S close to the object with pressing the button for measurement. Consecutive tone guides you to optimum focus and distance.
3. The best focus of ø2.5mm spot is lighted up with LED when the marker looks clearest in the measuring distance of 25mm.
4. The display is held by releasing the button.

**Option**

- **Flexible Stand S-01**
- **Black Tape HB-100**

**Environmental Warnings**

- **Avoid getting the thermometer wet. Do not use in water.**

**Usage Warnings**

- **Avoid measuring shiny objects.**
  - Shiny objects, of which emissivity value is low, reflect surrounding temperatures. As this thermometer's sensitivity to emissivity is fixed at 0.95/0.85, the displayed temperature could differ from the actual temperature of objects, which has different emissivity value. When you wish to measure shiny object like metals, put a piece of optional black tape or apply black paint/marker on the surface of the measuring object.

- **Do not let the thermometer touch the object that is being measured.**

**Optex Co.,Ltd.**

4-7-5 Nishinomachi Otsu 520-0801 Japan

TEL: +81-77-524-6049  FAX: +81-77-524-1491

URL: www.optex.co.jp

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