thermoIMAGER TIM // Compact thermal imaging cameras

More Precision
Cooling Jacket and Cooling Jacket Advanced

Universal cooling housing for infrared cameras up to 315 °C

- Ambient operating temperatures up to 315 °C
- Also available with protection housing and cooling function up to 180 °C
- Air/Water cooling with integrated air purging and optional protective windows
- Modular design for easy fitting of different devices and lenses
- Easy sensor removal on site due to quick-release chassis
- Integration of additional components like TIM NetBox, USB Server Gigabit and Industrial Process Interface (PIF) in the extended version

<table>
<thead>
<tr>
<th>Model</th>
<th>Cooling Jacket</th>
<th>Cooling Jacket Advanced Standard</th>
<th>Cooling Jacket Advanced Extended</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection class</td>
<td>IP65</td>
<td>IP65</td>
<td>IP65</td>
</tr>
<tr>
<td>Ambient temperature range</td>
<td>up to 180 °C</td>
<td>up to 315 °C (^1)</td>
<td>up to 315 °C (^1)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>10 to 95 %, non-condensing</td>
<td>10 to 95 %, non-condensing</td>
<td>10 to 95 %, non-condensing</td>
</tr>
<tr>
<td>Material (housing)</td>
<td>V2A</td>
<td>V2A</td>
<td>V2A</td>
</tr>
<tr>
<td>Dimensions</td>
<td>237 mm x 117 mm x 138 mm</td>
<td>271 mm x 166 mm x 182 mm</td>
<td>426 mm x 166 mm x 182 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5 kg</td>
<td>5.7 kg</td>
<td>7.8 kg</td>
</tr>
<tr>
<td>Air purge collar</td>
<td>G1/4&quot; internal thread G3/8&quot; external thread</td>
<td>G1/4&quot; internal thread G3/8&quot; external thread</td>
<td>G1/4&quot; internal thread G3/8&quot; external thread</td>
</tr>
<tr>
<td>Cooling water fittings</td>
<td>G1/4&quot; internal thread G3/8&quot; external thread</td>
<td>G1/4&quot; internal thread G3/8&quot; external thread</td>
<td>G1/4&quot; internal thread G3/8&quot; external thread</td>
</tr>
<tr>
<td>Cooling water pressure</td>
<td>max. 15 bar (217 psi)</td>
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<td>max. 15 bar (217 psi)</td>
</tr>
</tbody>
</table>

Scope of supply:
- Cooling Jacket, consisting of housing and chassis
- Cooling Jacket Advanced, consisting of housing with mounting angle, chassis
- Assembly instructions
- Cooling Jacket Advanced, consisting of housing with mounting angle, chassis
- Assembly instructions
- Mounting accessories for TIM NetBox or USB Server Gigabit and Industry PIF
- Assembly instructions
- Focusing unit or front attachment \(^2\)
- Focusing unit or front attachment \(^2\)

\(^1\) Cable for up to 250 °C ambient temperature as well as cable cooling for up to 315 °C available.

\(^2\) Must be ordered separately.
High performance sensors made by Micro-Epsilon

Sensors and systems for displacement and position

Sensors and measurement devices for non-contact temperature measurement

2D/3D profile sensors (laser scanner)

Optical micrometers, fiber optic sensors and fiber optics

Color recognition sensors, LED analyzers and color online spectrometer

Measurement and inspection systems