More Precision

thermoIMAGER TIM // Compact thermal imaging cameras
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 such as 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</td>
<td>up to 180 °C</td>
<td>up to 315 °C</td>
<td>up to 315 °C</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” internal thread G3/8” external thread</td>
<td>G1/4” internal thread G3/8” external thread</td>
<td>G1/4” internal thread G3/8” external thread</td>
</tr>
<tr>
<td>Cooling water fittings</td>
<td>G1/4” internal thread G3/8” external thread</td>
<td>G1/4” internal thread G3/8” external thread</td>
<td>G1/4” internal thread G3/8” 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
- Mounting accessories for TIM NetBox or USB Server Gigabit and Industry PIF
- Assembly instructions
- Focusing unit or front attachment 2)

1) Cable up to 250 °C ambient temperature and cable cooling up to 315 °C available.
2) Must be ordered separately.

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**Cooling Jacket**

**Cooling Jacket Advanced – Standard version**

**Cooling Jacket Advanced – Extended version**

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**TM-MB-TIM adjustable mounting foot**

**TM-PH-TIM protection housing incl. mounting foot**
Sensors and Systems from Micro-Epsilon

Sensors and systems for displacement, distance and position

Sensors and measurement devices for non-contact temperature measurement

Measuring and inspection systems for metal strips, plastics and rubber

Optical micrometers and fiber optics, measuring and test amplifiers

Color recognition sensors, LED analyzers and inline color spectrometers

3D measurement technology for dimensional testing and surface inspection