- Temperature measuring -20 ... 900 °C
- Resolution 382 x 288 pixels
- Parameterization with software
- Digital in.- output
- Motor focus

Product Characteristics

<table>
<thead>
<tr>
<th>Type</th>
<th>OMC XI400 F06</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art.-No.</td>
<td>6980A</td>
</tr>
<tr>
<td>Application</td>
<td>Non-contact area temperature control</td>
</tr>
</tbody>
</table>

Technical Data

- Measuring temperature range: -20 bis 100 °C / 0 bis 250 °C / 150 bis 900 °C
- Spectral range: 7.5 – 13 µm
- Output: 0 – 10 V
- Measuring failure: ± 2.0 % or ± 2.0 °C
- Frame rate: 80 Hz / 27 Hz
- Image resolution: 382 x 288 Pixel
- Viewing angle: 80 x54°
- Smallest object size: 3 x 3 Pixel
- Maximum and minimum value search: yes
- Interface: USB 2.0
- Supply voltage: via USB
- Power consumption: max. 500 mA
- Ambient temperature: 0 ... +50 °C
- Protection class: IP 67
- Connection: plug
- Supply voltage display: no
- Housing material: Stainless steel
- Weight: 0.2 kg

Software
## Optic

<table>
<thead>
<tr>
<th>Focal length (mm)</th>
<th>Minimum measurement distance (m)</th>
<th>Angle</th>
<th>Distance to measurement object (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.2</td>
</tr>
<tr>
<td>6</td>
<td>0.2</td>
<td></td>
<td>80°</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>54°</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>3.01 mrad</td>
</tr>
</tbody>
</table>

* HFOV: Horizontal enlargement of the total measuring at object area
** VFOV: Vertical enlargement of the total measuring at object area
*** IFOV: Size at the single pixel at object area

## Connection

![Connection Diagram]

## Dimension (mm)

![Dimension Diagram]

### Accessories (in scope of supply)
- Mounting bracket
- USB cable 1m
- Connecting cable 1m with terminal block for in.- and output
- Software
## Accessories

(not in scope of supply)

- Blow attachment
- Interface adapter for Smartphone App
- Further accessories available

## Further information

<table>
<thead>
<tr>
<th>Document</th>
</tr>
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<tbody>
<tr>
<td>Manual</td>
</tr>
<tr>
<td>BDA_OMC_XI_D/E</td>
</tr>
</tbody>
</table>

Details are subject to change without notice.