5.4 AND 10 MM ULTRA TELESCOPES

Optimized for a High Resolution Image.
5.4 AND 10 MM ULTRA TELESCOPES

ED Glass Lenses – Razor-Sharp Images
- Optimized for high-resolution imaging
- High contrast at high spatial frequencies
- Comparable working length for 5.4 mm and 10 mm

Distortion-Free Images (5.4 mm telescope)
- Clear images even at the edges
- No barrel or pincushion distortion (using 5.4 mm telescope)

Wider Field of View
- The 10 mm ULTRA telescopes have a wide field of view.
  Compared to an endoscope with 75° field of view the visual field has been increased by 20%.
- The 5.4-mm ULTRA telescopes have a wide field of view.
  Compared to an endoscope with 70° field of view the visual field has been increased by 20%.

Compatibility
- Mechanical compatibility to current generations of camera heads and light guide cables by Olympus and other manufacturers that comply with DIN58105.

Full Autoclavability
- Reduced waste due to full reusability of the telescopes

Good Illumination Even at the Edges
- The ULTRA telescopes have a homogeneous light distribution in the peripheral region (both 5.4 mm and 10 mm)

Ordering Information

<table>
<thead>
<tr>
<th>Order Number</th>
<th>Outer Diameter</th>
<th>Direction of View (DOV)</th>
<th>Working Length</th>
<th>Max. Insertion Portion Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>WA4KL500</td>
<td>5.4 mm</td>
<td>0°</td>
<td>315.3 ± 0.5 mm</td>
<td>5.45 mm</td>
</tr>
<tr>
<td>WA4KL530</td>
<td>5.4 mm</td>
<td>30°</td>
<td>315.5 ± 1.5 mm</td>
<td>5.45 mm</td>
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<td>WA4KL545</td>
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<td>45°</td>
<td>315.5 ± 1.5 mm</td>
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<td>WA4KL100</td>
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<td>0°</td>
<td>315.9 ± 0.5 mm</td>
<td>10.2 mm</td>
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<td>WA4KL130</td>
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<td>30°</td>
<td>317.1 ± 1.5 mm</td>
<td>10.2 mm</td>
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<td>WA4KL145</td>
<td>10 mm</td>
<td>45°</td>
<td>317.7 ± 1.5 mm</td>
<td>10.2 mm</td>
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</tbody>
</table>

Specifications

Operating Conditions
- Ambient temperature: 10 to 35°C (50 to 95°F)
- Relative humidity: 30 to 85%
- Atmospheric pressure: 700 to 1060 hPa

Storage Conditions
- Temperature: 10 to 40°C (50 to 104°F)
- Relative humidity: 30 to 85%

Transport Conditions
- Temperature: -40 to 70°C (-40 to 158°F)
- Relative humidity: 10 to 95%

Specifications, design and accessories are subject to change without any notice or obligation on the part of the manufacturer.