**Model 1248**
1cm x 1cm duo-lateral detector. Compatible with 531 only.

**Model 1233**
1cm x 1cm tetra-lateral detector. Compatible with Models 531 and 431.

**Model 1240**
1cm diameter quadrant detector. Compatible with Models 531 and 431.

**Model 1241**
2.5mm x 2.5mm tetra-lateral detector. Compatible with Models 531 and 431.

**Model 1242**
2.5mm x 2.5mm quad cell. Compatible with Models 531 and 431.

**Model 1243**
2.5mm x 2.5mm bi-cell. Compatible with Model 301-DIV and 301B-AC.

**Model 1237**
44mm diameter tetra-lateral detector. Compatible with Models 531 and 431.
**Model 1238**  
Detector/Cable Assembly with 35mm Lens Adapter.  
11.5mm single axis lateral-effect detector compatible with Models 301-DIV and 301B-AC.  
Compatible with optional Models 1350, 1351, 1352, & 1353 lenses.

**Model 1239**  
Detector/Cable Assembly with 35mm Lens Adapter.  
30mm long single axis lateral-effect detector compatible with the Model 301-DIV and 301B-AC.  
Compatible with optional Models 1350, 1351, 1352, & 1353 lenses.

**Model 1232**  
Detector/Cable Assembly with 20mm x 20mm tetra-lateral detector.  
Compatible with Models 531 and 431.

**Model 1250**  
Detector/Cable Assembly with 20mm x 20mm duo-lateral detector.  
Compatible with Model 531 only.

**Model 1252**  
Detector/Cable Assembly with 76mm long single-axis lateral-effect detector.  
Compatible with Model 301-DIV and 301B-AC.
<table>
<thead>
<tr>
<th>Model #</th>
<th>Focal Length</th>
<th>Aperture</th>
<th>Field of View</th>
<th>Minimum Object Distance</th>
<th>Object Size At Minimum Distance</th>
<th>Clear Aperture Diameter</th>
<th>Filter Size</th>
<th>Mechanical Dimension</th>
</tr>
</thead>
<tbody>
<tr>
<td>272</td>
<td>75.0 mm</td>
<td>f/1.4-22C</td>
<td>9.9°</td>
<td>1.0 m</td>
<td>16.8 in</td>
<td>12.5 in</td>
<td>53.0 mm</td>
<td>18.0 mm</td>
</tr>
<tr>
<td>273</td>
<td>50.0 mm</td>
<td>f/1.3-16C</td>
<td>14.6°</td>
<td>1.0 m</td>
<td>25.6 in</td>
<td>19.2 in</td>
<td>38.0 mm</td>
<td>13.9 mm</td>
</tr>
<tr>
<td>274</td>
<td>12.5 mm</td>
<td>f/1.3-16C</td>
<td>55.5°</td>
<td>0.4 m</td>
<td>40.4 in</td>
<td>30.3 in</td>
<td>30.2 mm</td>
<td>16.8 mm</td>
</tr>
<tr>
<td>275</td>
<td>25.0 mm</td>
<td>f/1.3-16C</td>
<td>29.2°</td>
<td>0.4 m</td>
<td>25.6 in</td>
<td>19.2 in</td>
<td>19.4 mm</td>
<td>18.5 mm</td>
</tr>
</tbody>
</table>

The above Detector/Lens Assemblies for UDT Instruments listed in this guide consist of 1233 Detector/Cable Assembly, 1741 Adapter, C-Mount Lens, and Visible Blocking Filter.

**Model 272, 273, 274 and 275**

Comprising C-mount lens, Model 1741 adapter, visible blocking filter and Model 1233 detector/cable assembly.

**Model 1809**

For connecting customer owned detectors to Models 431, 301-DIV and 301B-AC.

**Model 266 LED**

Compatible with Model 431 only.

**Model 1355**

15mm focal length lens assembly. For use with Model 1715 holder/adapter only.
**Model 1714**

Holder/Adapter for 1233, 1240, 1241, 1242, 1243 and 1248 to standard threads.

**Model 1715**

1-inch Lens Adapter/Holder.

**Model 1716**

Adapter to 35mm camera lens for 1233, 1240, 1241, 1242, 1243 and 1248.

**Lenses.** These lenses are compatible with the Model 1716 adapter only.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Focal Length</th>
<th>f/#</th>
<th>Focal Distance ft (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>I350</td>
<td>50 mm</td>
<td>f/1.8</td>
<td>1.6 (0.4)</td>
</tr>
<tr>
<td>I351</td>
<td>50 mm (Macro)</td>
<td>f/2.8+</td>
<td>7 (2.1)</td>
</tr>
<tr>
<td>I352</td>
<td>135 mm</td>
<td>f/2.8</td>
<td>22 (6.7)</td>
</tr>
<tr>
<td>I353</td>
<td>400 mm</td>
<td>f/6.3</td>
<td>155 mm</td>
</tr>
</tbody>
</table>

**Microscope Objective Lenses.** These lenses are compatible with the Model 1720 adapter only.

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Power</th>
<th>Focal Length</th>
<th>f/#</th>
<th>Working Distance</th>
</tr>
</thead>
<tbody>
<tr>
<td>I354-1</td>
<td>1X</td>
<td>80.0 mm</td>
<td>8.3</td>
<td>155 mm</td>
</tr>
<tr>
<td>I354-5</td>
<td>5X</td>
<td>30.0 mm</td>
<td>10.0</td>
<td>20.0 mm</td>
</tr>
<tr>
<td>I354-10</td>
<td>10X</td>
<td>160.0 mm</td>
<td>3.0</td>
<td>6.0 mm</td>
</tr>
<tr>
<td>I354-20</td>
<td>20X</td>
<td>9.0 mm</td>
<td>2.0</td>
<td>3.2 mm</td>
</tr>
<tr>
<td>I354-40</td>
<td>40X</td>
<td>5.0 mm</td>
<td>1.5</td>
<td>0.3 mm</td>
</tr>
<tr>
<td>I354-60</td>
<td>60X</td>
<td>3.0 mm</td>
<td>1.2</td>
<td>&lt;0.3 mm</td>
</tr>
</tbody>
</table>
**Accessories**

**Adapters**

**Model 1731**

Holder/Adapter for Model 1232 to UDT Instruments threads.

**Model 1741**

C-Mount Lens Adapter for Models 1241, 1242, 1240, 1233, 1243 and 1248.

**Filters**

**Bandpass filters** [15 nm FWHM]

- Model 1112 - 632.8 nm
- Model 1113 - 905 nm
- Model 1114 - 1064 nm
- Model 1115 - 514.4 nm

**Neutral Density filters**

- Model 105 ND1
- Model 106 ND2
- Model 107 ND3

Compatible with Models 1714, 1715 & 1731 only.

**Model 1155**

Visible-Light Blocking Filter in threaded ring for use with Models 1715 and 1716 only.

**Model 1156**

633 nm (HeNe) Narrow Bandpass Filter Assembly in Threaded Ring for use with Models 1715 and 1716 only.