Since 1998 TRIOPTICS PrismMaster series sets the standards for high precision goniometers. The new PrismMaster® 150 rounds off the PrismMaster series and is ideal for optical workshops as well as receiving and final inspection in production environment. It is available as a fully automated or as a manual goniometer.

The new PrismMaster series boosts a number of new features including a user-friendly new software. The overall concept follows a simple philosophy: Providing an instrument with high accuracy which also is easy to use.
There is no easier way of achieving immediate and ultra-accurate angle value of plano optic components. The new software provides fully automated measurement of standard prisms and polygons for PrismMaster® 150 HR:

1. SELECT a standard measurement program
2. PLACE the sample on the measurement table
3. Press MEASURE and the fully automatic measurement process begins. Without any operator intervention the PrismMaster will deliver the precise angle values of the sample.

**Specifications**

<table>
<thead>
<tr>
<th></th>
<th>± 1.0 arcsec (PrismMaster 150 HR)</th>
<th>± 1.2 arcsec (PrismMaster 150 MAN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single measurement</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pyramidal angle measurement*</td>
<td>± 3.0 arcsec / ± 5.0 arcsec</td>
<td></td>
</tr>
<tr>
<td>Resolution of the electronic autocollimator</td>
<td>0.1 arcsec</td>
<td></td>
</tr>
<tr>
<td>Measuring aperture of the autocollimator</td>
<td>30 mm</td>
<td></td>
</tr>
<tr>
<td>Autocollimator field of view</td>
<td>4000 x 3200 arcsec</td>
<td></td>
</tr>
<tr>
<td>Diameter of sample table</td>
<td>100mm</td>
<td></td>
</tr>
<tr>
<td>Maximum sample size</td>
<td>dia. 120 mm</td>
<td></td>
</tr>
<tr>
<td>Minimum sample size</td>
<td>1.0 mm²</td>
<td></td>
</tr>
<tr>
<td>Maximum payload</td>
<td>3 kg</td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>550 x 330 x 198 mm (PM 150 HR)</td>
<td>410 x 240 x 181 mm (PM 150 MAN)</td>
</tr>
</tbody>
</table>

*according to DIN 10110