Tonometer

RU-100

1. Screw to Fix RU-100 Plate
2. Assembly Plate Holes
3. Measurement Head
4. Adjusting Rod
5. Bearing for RU-100
6. Rotating Sensor Arm
7. Knob with Measurement Drum
**Features:**

- Ergonomic design, high quality optics and precision mechanical parts.
- RU-100 tonometers can also be mounted and combined with other manufacturers equipments.
- RU-100 is an accessory to Slit Lamp devices used for measuring ocular pressure.
- Precise measurement of the small flattened area is made using a slit lamp at 10x magnification.
- RU-100 measures the pressure required for maintaining uniform applanation of the corneal surface.

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**Product Introduction**

RU-100 Applanation Tonometer

The Applanation Measuring Cone measures the amount of force needed to temporarily flatten part of your cornea, to prevent risk of developing glaucoma.

By turning the measurement drum to increase the pressure on the eye until a continuous, uniform flattened surface 3.06 mm in diameter (7.35 mm² area) is obtained.

Tonometer provides extreme measurement accuracy and the value is directly readable on the instrument, without any standardization and calibration difficulties.

Measuring Ocular Pressure's relationship between the pressure of the measurement drum and the force and pressure on the supplanted surface.

The major advantage of applanation tonometry measurements is the limited extent of eyeball deformation.

Examine the angle between the lighting unit and the microscope in the left or right eyepiece should be about 60°. Adjust until the image is bright & without reflections.
## Product Specifications

### RU-100

#### Measurements

<table>
<thead>
<tr>
<th>Specification</th>
<th>Detail</th>
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<tbody>
<tr>
<td>Pressure Surface</td>
<td>7mm</td>
</tr>
<tr>
<td>Measurement Drum Surface</td>
<td>3.06mm (7,354mm area)</td>
</tr>
<tr>
<td>Conversations Pressure</td>
<td>mmHG to Kpa</td>
</tr>
<tr>
<td>Angle Light Source</td>
<td>60°</td>
</tr>
<tr>
<td>Tonometer Scale</td>
<td>6 Calibrations</td>
</tr>
<tr>
<td>Measurement Force</td>
<td>Generated by the Spring</td>
</tr>
<tr>
<td>Measurement Range</td>
<td>0 / 80 mmHG (0/10,64kPA)</td>
</tr>
<tr>
<td>Weight</td>
<td>0.48 kg (without accessories)</td>
</tr>
<tr>
<td>Size</td>
<td>190 x 80 x 80mm</td>
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