Roller wave gauge RWG-D is designed to evaluate the flatness of glass, local bow or so called roller-wave fault. It is a simple and practical, easy to operate tool.

Surface waviness deforms reflected images. The resulting distortion can be evaluated by the optical power that changes along the wavy glass sheet.

For local bow measurement the supports are adjusted 300 mm apart from each other, for wave distortion the distance of the supports is adjusted according to wavelength or roller pitch.

**Key Features:**

- Easy to use.
- Precision digital display.
- Can be connected to a PC with optional USB cable.
- Enables the measurement of:
  - Out-of-plane deformation $W$ (in mm or inch)
  - Roller wavelength $L$ (in mm or inch)
  - Optical distortion $D$ (in mdpt)

$$D = 4\pi^2 \frac{W}{L}$$

**Specifications**

<table>
<thead>
<tr>
<th></th>
<th>RWG-D</th>
<th>RWG-D-HS</th>
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</thead>
<tbody>
<tr>
<td>Wavelength $L$ maximum</td>
<td>Adjustable</td>
<td>Adjustable</td>
</tr>
<tr>
<td>$W$ resolution</td>
<td>0.01 mm</td>
<td>0.001 mm</td>
</tr>
<tr>
<td>Distortion $D$ sensitivity</td>
<td>10 mdpt</td>
<td>1 mdpt</td>
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</tbody>
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