**Measurement Method**

1. Apply 1 drop of sample solution onto the prism surface.
2. Press the START/OFF Switch.
3. Measurement value displayed in 3 seconds!

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**Digital Urine Specific Gravity Refractometer**  
**UG-α**  
Cat.No.3464

This new Digital Urine Specific Gravity Refractometer UG-α is an upgraded version of the UG-1. The minimum scale indication has been improved to display the fourth decimal. After pressing the START key, with the sample placed on the prism, the measurement values will be displayed on the LCD streaming as an electric message board.

- Measurement range: Urine S.G. 1.0000 to 1.0600
- Minimum indication: 0.0001
- Measurement accuracy: ±0.0010
- Measurement temperature: 10 to 35°C (Automatic Temperature Compensation)
- Sample volume: 0.1ml
- Power supply: 006P Dry battery (9V)
- International Protection Class: IP64 Water Resistant
- Dimensions and weight: 17×9×4cm, 300g (main unit only)

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**Digital Hand-held Compact Refractometer**  
**PAL-10S**  
Cat.No.4410

The PAL-10S is a digital hand-held compact refractometer that measures Urine Specific Gravity. To operate, simply place a drop of urine on the prism surface and press the START key. The Urine Specific Gravity value will be displayed on the LCD.

- Measurement range: Urine S.G. 1.000 to 1.060
- Minimum indication: 0.001
- Measurement accuracy: ±0.001
- Measurement temperature: 10 to 35°C (Automatic Temperature Compensation)
- Sample volume: 0.3ml
- Power supply: 2×AAA Batteries
- International Protection Class: IP65 Water Resistant
- Dimensions and weight: 5.5×3.1×10.9cm, 100g (main unit only)
The MASTER-SUR/Nα and MASTER-SUR/NM are designed for clinical applications: Serum Protein, Urine Specific Gravity and Refractive Index scales. Three scales in one instrument allow for quick and easy measurements.

<table>
<thead>
<tr>
<th>MASTER-SUR/Nα</th>
<th>MASTER-SUR/NM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale range</td>
<td>Urine S.G.: 1.000 to 1.060, Serum protein: 0.0 to 12.0g/100ml, Refractive Index (nD): 1.3330 to 1.3660</td>
</tr>
<tr>
<td>Minimum scale</td>
<td>Urine S.G.: 0.001, Serum protein: 0.2g/100ml, Refractive Index: 0.0005</td>
</tr>
<tr>
<td>Accuracy</td>
<td>Urine S.G.: ±0.001, Serum protein: ±0.2g/100ml, Refractive Index: (nD)±0.0005 (10 to 30°C Automatic Temperature Compensation)</td>
</tr>
<tr>
<td>International Protection Class</td>
<td>IP65 Water Resistant (except for eyepiece)</td>
</tr>
<tr>
<td>Size &amp; Weight</td>
<td>3.2×3.4×20.3cm, 105g</td>
</tr>
</tbody>
</table>

The MASTER-URC/Nα and MASTER-URC/NM are designed for clinical applications: specific gravity and refractive index of urine can be measured with only a single drop. These units are very simple to use and easy carry.

<table>
<thead>
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<th>MASTER-URC/Nα</th>
<th>MASTER-URC/NM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scale range</td>
<td>Urine S.G.: 1.000 to 1.050, Refractive Index (nD): 1.333 to 1.356</td>
</tr>
<tr>
<td>Minimum scale</td>
<td>Urine S.G.: 0.001, Refractive Index (nD): 0.001</td>
</tr>
<tr>
<td>Accuracy</td>
<td>Urine S.G.: ±0.001, Refractive Index: (nD)±0.0005 (10 to 30°C Automatic Temperature Compensation)</td>
</tr>
<tr>
<td>International Protection Class</td>
<td>IP65 Water Resistant (except for eyepiece)</td>
</tr>
<tr>
<td>Size &amp; Weight</td>
<td>3.2×3.4×20.7cm, 110g</td>
</tr>
</tbody>
</table>

All ATAGO refractometers are designed and manufactured in Japan.

* Specifications and appearance are subject to change without notice.

ATAGO products comply with HACCP, GMP, and GLP system standards.