Simple concentration monitoring system. Never miss a concentration change with real-time readings!

Digital Immersion Refractometer PAN-1

**Applications**

- Metal-working fluids
- Water-based cleaning fluids
- Food

**Automatic continuous measurement!**

Once START is pressed, the unit continues to take measurements every 30 seconds.

**Simply clip the unit on to the side of a container or pot!**

No special equipment is needed for the set-up.

**Rugged construction for reliable long-term performance!**

The immersed part is made of SUS 316 stainless-steel.

Cat. No. 3596
Digital Immersion Refractometer PAN-1 Cat. No.3596

**Names and Functions of Components**

- **Liquid Crystal Display (LCD)**: Digital measurement values are large and easy to read.
- **ZERO Key**: Immerse the prism in water°, and press this to zero-set.
- **START Key**: Press this once, and continuous measurement starts.
- **Battery Case**: Size D battery, Compatible with LSD NiMH.
- **Prism**: Immerse the prism in water at a similar temperature to the liquid to be measured.
- **Rubber case**: Protects the instrument from physical damage.
- **Clamp**: Immersible part can attach to various shapes of containers.

**Dimensions**

- **Prism**: 80(W) × 300(L) × 72(H) mm
- **Battery Case**: 610g (main unit only)
- **Fastening part**: Adjustable height range

**Specifications**

<table>
<thead>
<tr>
<th>PAN-1</th>
<th>Cat. No.3596</th>
</tr>
</thead>
</table>
| **Measurement range** | Brix 0.0 to 42.0%  
Temperature 10.0 to 99.9°C |
| **Resolution** | Brix 0.1% Temperature 0.1°C |
| **Measurement accuracy** | Brix ±0.2% Temperature ±0.5°C |
| **Measurement temperature** | 10 to 95°C |
| **International Protection class** | Immersed part IP67  
Display IP65 |
| **Dimensions and weight** | 80(W) × 300(L) × 72(H) mm  
610g (main unit only) |
| **Battery life** | 2 months (when an alkaline battery is used) |
| **Power supply** | Size D alkaline battery × 1  
Compatible with LSD NiMH. |
| **Ambient temperature** | 10 to 45°C |
| **Accessories** | Size D battery  
Instruction manual |

**Measurement Method**

1. Submerge the prism in the liquid.
2. Press the START key.
3. Measurements are taken every 30 seconds.

**Displayed Value**

This instrument measures the refractive index of a liquid and displays the converted value in *Brix,* which is a percentage measurement of sugar in water. The concentration of a substance other than sugar can be calculated by creating a conversion table of the desired concentration % and corresponding Brix %. Contact ATAGO for further details.

**Display**

- **Blinks three times**
- **Brix**
- **Temperature**

**Contact Information**

All ATAGO refractometers are designed and manufactured in Japan.

---

**HACCP GMP GLP**

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

---

* Specifications and appearance are subject to change without notice.