

## Automatic Digital Refractometer

# RX-0070X

Cat.No.3921

**Highly accurate measurements at the world's highest standards!**

Suitable for measuring water solution samples of very low concentrations (5.000% or less) at a very high accuracy ( $\pm 0.005\%$ ).



### Features

- Automatic measurement at your targeted temperature
- Internal Peltier Thermo-module eliminates the need for an external water-bath
- 30 User-programmable scales available
- History function
- User-Friendly Operation

### Applications

- Variety of teas
- Sugar-free and low sugar content beverages (dietfing beverages)
- Extracts of Chinese herbal medicines
- Nonalcoholic beer and cocktails
- Low concentration water solution

# Specifications

Measuring system	Optical-refraction, critical-angle detection system	Input of user scale	By simply inputting 3 corresponding points of the user scale the RX-007α will calculate the conversion formula automatically. Unit (% , g/100g, g/100ml, mol/l, %max, %vol, no unit) can be displayed.
Constant-temperature function	Built-in Thermo-module	History function	30 precious measurements are stored and can also displayed or printed.
Measurement scales	Brix (Automatic Temperature Compensation), User scale (30 User-defined Scales can be inputted)	Zero adjustment	Zero point is adjusted with distilled water and air.
Measurement Range	Brix 0.000~5.000%	Output	Digital Printer DP-RX (Optional) Communication method RS-232C
Minimum indication	Brix 0.001%, Temperature 0.01°C	Power supply	AC100V to 240V, 50/60Hz
Measurement Accuracy	Brix $\pm 0.005\%$ (under specific ambient and sample temperatures)	Power consumption	480VA
Measurement Modes	<ul style="list-style-type: none"> <li>▪ MODE1</li> <li>▪ MODE2</li> </ul>	Light source	LED (Approximating to wavelength of D line)
		Materials	Prism... Artificial crystal Sample stage...SUS316
Temperature Compensation range	15.00~30.00°C (Brix)	Sample volume	0.1ml more
Display method	Back lit LCD (320x240 dpi)	Constant temperature conditions	Ambient Temperature 15°C (Constant temperature can be set at 15 to 20°C) Ambient Temperature 20°C (Constant temperature can be set at 15 to 25 °C) Ambient Temperature 25°C (Constant temperature can be set at 20 to 25 °C) Ambient Temperature 30°C (Constant temperature can be set at 25°C )
Ambient Temperature	15.00~30.00°C	Dimensions and weight	37 x 26 x 14cm, 6.9kg (main unit only)
Graphic display	Setting upper and lower standard values, a graphic upper and lower limit bar can be displayed with the value.		

## Optional

### Digital Printer DP-RX Cat.No.3121

Input method	Conforms to Centronics standard (with connection cable)
Type of printer	Thermal dot matrix printer
Printed items	Brix, User scale, Temperature, Date, Month, Year, Time
Power supply	AC adapter (AC 100 to 240V)
Power consumption	13VA
Dimensions and weight	17 x 16 x 7cm, 580g(main unit only)
Parts	<ul style="list-style-type: none"> <li>▪ Printer paper for DP-RX: RE-8412</li> <li>▪ Printer paper for long-term storage for DP-RX: RE-8414</li> </ul>



\* Printer DP-RD for regular rolled plain paper (not thermal) is also available.

All ATAGO refractometers are designed and manufactured in Japan.



ATAGO products are acknowledged HACCP, by G.M.P. and G.L.P. systems.

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※Specifications and appearance are subject to change without notice.

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