

# ABBE REFRACTOMETER

Cat.No.1211

**NAR-1T<sub>LIQUID</sub>**



The NAR-1T LIQUID is for liquid sample measurement only. This model has the Refractive Index scale and Brix scale, and operates with D line (589nm) light source. Calibration is performed using distilled water.

## SPECIFICATIONS

Measurement range : Refractive Index (nD) 1.3000 to 1.7000  
Brix 0.0 to 95.0%

Minimum scale : Refractive Index (nD) 0.001, Brix 0.5%

Measurement accuracy : Refractive Index (nD)  $\pm 0.0002$ , Brix  $\pm 0.1\%$

Measurement temperature: 5 to 50°C

Ambient temperature : 5 to 40°C

Light source : LED Lamp (Approximating to wavelength of D-line)

Power supply : AC100V to 240V , 50/60Hz

Power consumption : 5VA

Dimensions and weight: Refractometer 13×18×23cm, 2.5kg (main unit only)  
Thermometer 10×11×7cm, 0.5kg

## ACCESSORIES

Digital thermometer .....1pc

AC power cable .....1pc

Lamp cable .....1pc

LED lamp .....3pcs

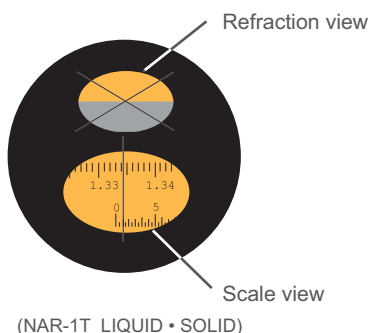
Special screwdriver for calibration .....1pc

Tube band .....10pcs

Instruction manual .....1pc



NAR-1T LIQUID



(NAR-1T LIQUID • SOLID)

# ABBE REFRACTOMETER

Cat.No.1212

**NAR-1T<sub>SOLID</sub>**



The NEW NAR-1T SOLID Abbe Refractometer was designed for solid sample measurement (this model can also measure liquid samples).

This model has the Refractive Index scale and Brix scale, and operates with D line (589nm) light source.

## SPECIFICATIONS

Measurement range : Refractive Index (nD) 1.3000 to 1.7000  
Brix 0.0 to 95.0%

Minimum scale : Refractive Index (nD) 0.001, Brix 0.5%

Measurement accuracy : Refractive Index (nD)  $\pm 0.0002$ , Brix  $\pm 0.1\%$

Average dispersion value :  $n_F - n_C$  (to be calculated according to conversion table)

Measurement temperature: 5 to 50°C

Ambient temperature : 5 to 40°C

Light source : LED Lamp (Approximating to wavelength of D-line)

Power supply : AC100V to 240V , 50/60Hz

Power consumption : 5VA

Dimensions and weight: Refractometer 13×18×23cm, 2.5kg (main unit only)  
Thermometer 10×11×7cm, 0.5kg

## ACCESSORIES

Digital thermometer ..... 1 pc

AC power cable ..... 1 pc

Lamp cable ..... 1 pc

LED lamp .....3 pcs

Test piece ..... 1 pc

Contact liquid [monobromonaphthalene] (4mL) ..... 1 pc

Special screwdriver calibration ..... 1 pc

Milky white reflector ..... 1 pc

Tube band .....10 pcs

Instruction manual ..... 1 pc



NAR-1T SOLID

## Abbe Refractometer for low refractive index measurement

In addition to our standard Abbe Refractometer NAR-1T SOLID, we can supply the following Abbe model.

### ●Abbe Refractometer NAR-1T • LO Cat.No.1217 (for low refractive index measurement)

Measurement range : Refractive Index (nD) 1.1500 to 1.4800 / Measurement temperature : 5 to 50°C

Note: The refractometers listed above have the same scale as the NAR-1T SOLID.

To obtain the true refractive index value, simply refer to the conversion table that is provided with each unit.

\*Dispersion values cannot be measured by the Abbe refractometers listed above. For further details, please inquire to the Overseas Department at ATAGO.

