

ABBE REFRACTOMETER

Cat.No.1220

NAR-2T



HIGH TEMPERATURE MODEL

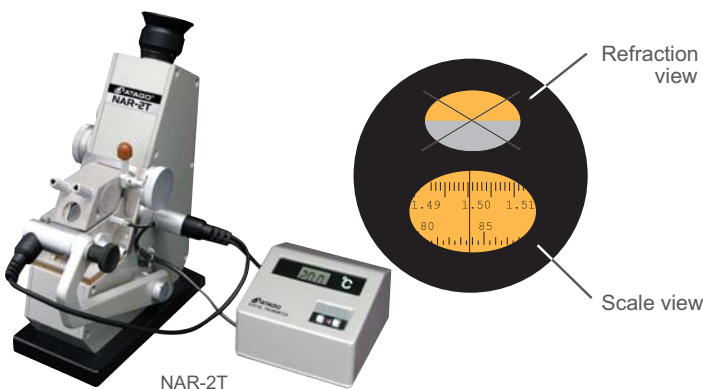
Designed for use with compounds that require measurement at high temperatures (up to 120°C).

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) ±0.0002, Brix ±0.1%
- Average dispersion value : nF-nC (to be calculated according to conversion table)
- Measurement temperature: 5 to 120°C
- Ambient temperature: 5 to 40°C
- Light source : LED Lamp (Approximating to wavelength of D-line)
- Power supply : AC100V to 240V, 50/60 Hz
- Power consumption : 5VA
- Dimensions and weight: Refractometer 12×20×25cm, 5.8kg (main unit only)
Thermometer 10×11×7cm, 0.5kg

ACCESSORIES

- Digital thermometer.....1 pc
- AC power cable1pc
- Lamp cable.....1pc
- LED lamp3pcs
- Test piece1 pc
- Contact liquid [monobromonaphthalene](4mℓ)1 pc
- Special screwdriver for calibration1 pc
- Tube band10pcs
- Instruction manual1 pc



ABBE REFRACTOMETER

Cat.No.1240

NAR-4T



HIGH REFRACTIVE INDEX MODEL

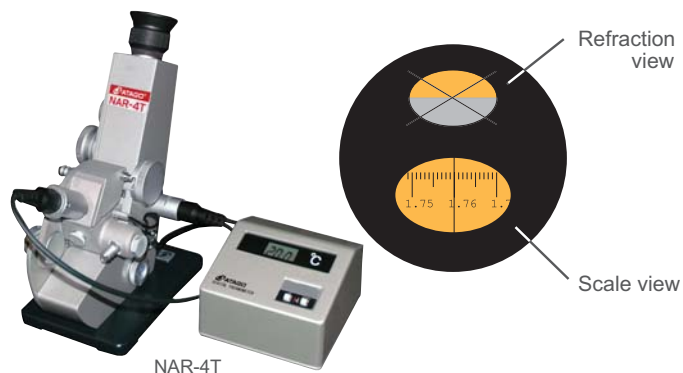
Research and Development on new materials for modern technologies is being actively conducted in every industry. Many of these materials (especially polymer film and related materials) are of high refractive index - often too high for the existing Abbe refractometers. These can now be measured with the nD 1.4700 to 1.8700 range of the NAR-4T.

SPECIFICATIONS

- Measurement range : Refractive Index (nD) 1.4700 to 1.8700
- Minimum scale : Refractive Index (nD) 0.001
- Measurement accuracy : Refractive Index (nD) ±0.0002
- 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 cable1pc
- Lamp cable.....1pc
- LED lamp3pcs
- Test piece1 pc
- Contact liquid [monobromonaphthalene](4mℓ)1 pc
- Contact liquid [methylene iodidecontaining sulfur solution](4mℓ).....1pc
- Special screwdriver for calibration.....1pc
- Milky white reflector.....1pc
- Tube band10pcs
- Instruction manual1 pc



● **Abbe Refractometer NAR-2T • LO Cat.No.1227** (for high temperature and low refractive index measurements)
Measurement range : Refractive Index (nD) 1.1500 to 1.4800 / Measurement temperature : 5 to 120°C

● **Abbe Refractometer NAR-2T • HI Cat.No.1228** (for high temperature and high refractive index measurements)
Measurement range : Refractive Index (nD) 1.4700 to 1.8700 / Measurement temperature : 5 to 120°C

Another option

*ATAGO can supply Abbe refractometer with measurement range of "nD1.7000 to 2.0800" and with measurement temperature range of "5 to 50°C" or "5 to 120°C".

Note: The refractometers listed above have the same scale as the NAR-2T. 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.

