

DIGITAL ABBE REFRACTOMETER

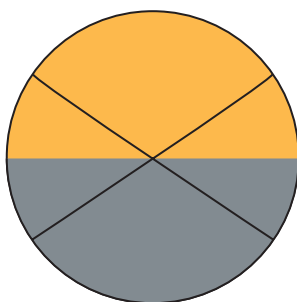
Cat.No.1310

DR-A1



By simply setting the boundary line of refraction at the cross hairs, this refractometer directly indicates a measurement value (in refractive index or Brix (%), selective) together with the temperature on a digital display. This refractometer enables anyone to easily carry out measurements without reading analog graduation.

*Dispersion value cannot be measured with the DR-A1.



Refraction view



Display



SPECIFICATIONS

| | |
|-------------------------|--|
| Measurement range | : Refractive Index (nD) 1.3000 to 1.7100 Brix 0.0 to 95.0% (Automatic Temperature Compensation is executed from 5 to 50°C) |
| Minimum scale | : Refractive Index (nD) 0.0001, Brix 0.1% |
| Measurement accuracy | : Refractive Index (nD) ± 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 | : AC adapter (100 to 240V (50/60Hz) AC input) |
| Power consumption | : 16VA |
| Dimensions and weight | : Refractometer 13×29×31cm, 6.0kg (main unit only) AC adapter 10.5×17.5×4cm, 0.7kg |

ACCESSORIES

| | | |
|--|-------|--------|
| Test piece | | 1 pc |
| Contact liquid [monobromonaphthalene](4mL) | | 1 pc |
| Allen wrench for detaching/attaching prism | | 1 pc |
| Lighting adapter for solid sample | | 1 pc |
| Tube band | | 10 pcs |
| AC adapter (AD-13) | | 1 pc |
| AC cable | | 1 pc |
| Instruction manual | | 1 pc |

CIRCULATING CONSTANT TEMPERATURE BATH

-optional-

60-C4
Cat.No.1922



A circulating water bath for precise temperature control of refractometers without Peltier.

SPECIFICATIONS

| | |
|-------------------------------|--|
| Tank capacity | : 0.5 L |
| Temperature setting range | : 10 to 60°C (water) |
| Temperature control | : PID control method using a thermo-module |
| Constant-Temperature Accuracy | : $\pm 0.2^\circ\text{C}$ |
| Flow Rate | : 4 L / min |
| Power Supply | : AC100 to 240V, 50/60Hz |
| Power Consumption | : 430VA |
| Dimensions & Weight | : 38×24×27cm, 11.0kg (main unit only) |

