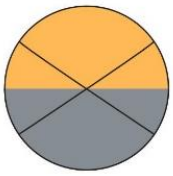
DR-A1

Cat.No.1310



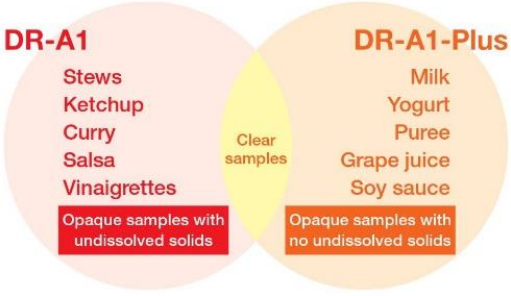
Refraction view

Display

By simply aligning the boundary line of refraction at the cross hairs, this refractometer directly indicates a measurement value (in refractive index or Brix (%), selectable) 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.

Choosing the Right Model for Your Sample Type



DR-A1-Plus

for Opaque Samples

Cat.No.1311

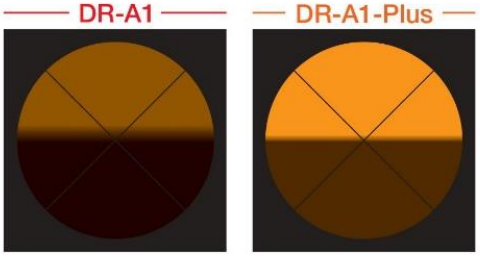
With the new prism, the field of view is brighter than the predecessor model (DR-A1), making it easier to measure inhomogeneous/ opaque samples.

Common Specifications (DR-A1/DR-A1-Plus)

Measurement Range	Refractive Index (nD) 1.3000 to 1.7100, Brix 0.0 to 100.0% (ATC is executed at 5 to 50°C)
Resolution	Refractive Index (nD) 0.0001, Brix 0.1%
Measurement accuracy	Refractive Index (nD) ±0.0002, Brix ±0.1%
Measurement temperature	5 to 50°C (Circulating constant temperature bath range, as well as Brix temperature compensation range.)
Thermometer accuracy	±0.2°C
Ambient temperature	5 to 40°C
Indications	Refractive Index (nD), Brix (%), Temp (°C)
Display	LCD
Light source	LED Lamp (Approximating to wavelength of D-line)
Power supply	AC adapter (100 to 240V (50/60Hz) AC input)
Power consumption	16VA
Output	Printer DP-63(C) (Optional) PC (via RS-232C)
Dimensions and weight	13×29×31cm, 6.0kg (Main unit) 10.5×17.5×4cm, 0.7kg (AC adapter)

For Measuring Emulsions or Dark Samples

DR-A1 — DR-A1-Plus



The DR-A1 has a slightly dimmer field of view, which makes it difficult to measure emulsions or dark samples.

The DR-A1-Plus features a brighter field of view, making it easier to measure dark, opaque samples.

*Samples containing undissolved solids may not produce measurement results.

Sucrose Solution on Page 1