

DR-A1-Plus

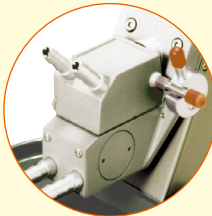


NEW

Cat.No.1311

“I want to measure emulsions with the DR-A1!”
...You asked, and we listened!

The measured refractive index or Brix as well as the temperature readings are numerically displayed simultaneously as the boundary line of refraction is being brought into the crosshairs.



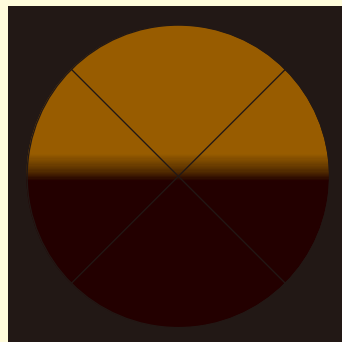
With the new prism, the field of view is brighter than the predecessor model (DR-A1), making it easier to measure inhomogeneous/opaque samples.



⊕DR-A1 vs. DR-A1-Plus Brightness Comparison (with a milk sample)

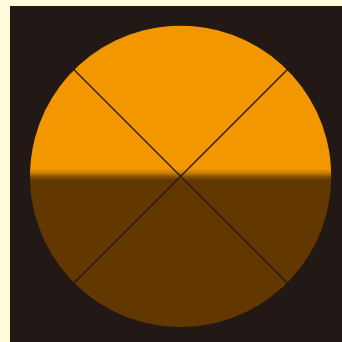
DR-A1

The field of view is dark.
It is difficult to see the boundary line.



DR-A1-Plus

The brighter field of view makes it easy to see the boundary line when measuring emulsions.



The effect may be negated when undissolved solids are present in the sample.

⊕Choosing the Right Model for Your Sample Type

DR-A1

Stews
Ketchup
Curry
Salsa
Vinaigrettes

Opaque samples with undissolved solids

DR-A1-Plus

Milk
Yogurt
Purée
Grape juice
Soy sauce

Opaque samples with no undissolved solids

Clear samples

We can answer questions you may have and make recommendations!

⊕Specification

Measurement Range	Refractive Index (nD) 1.3000 to 1.7100, Brix 0.0 to 95.0%
	(ATC is executed at 5 within 50°C)
Minimum indication	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
Thermometer accuracy	$\pm 0.2^\circ\text{C}$
Ambient temperature	5 to 40°C
Indications	Refractive Index (nD), Brix (%), Temp ($^\circ\text{C}$)
Display	LCD
Power supply	AC adapter (100 to 240V (50/60Hz) AC input)
Power consumption	16VA
Output	Printer DP-22C (Optional) PC (via RS-232C)
Dimensions and weight	13×29×31cm, 6.0kg (Main unit) 10.5×17.5×4cm, 0.7kg (AC adapter)