

Abbe Refractometer DR-A1-Plus



Quantity [Request Quotation](#)

This model features a brighter field of view than its predecessor the DR-A1, making it easier to measure inhomogeneous and/or dark samples. By very simple operation that needs only to set the boundary line of refraction at the cross hairs, this refractometer directly indicates a measured value in refractive index or Brix (%). This model enables to carry out measurement easily without reading of analog graduation. It can be connected to a printer and computer. Please note that dispersive value cannot be measured by this refractometer.

Specifications

Model	DR-A1-Plus
Cat.No.	1311
Range	Refractive index (nD) : 1.3000 to 1.7100 Brix : 0.0 to 100.0%(Automatic Temperature Compensation at 5 to 50°C)
Minimum Scale	Refractive index(nD) : 0.0001 Brix : 0.1%
Accuracy	Refractive index (nD) : ± 0.0002 Brix : $\pm 0.1\%$
Measurement Temp.	5 to 50°C
Light source	LED (Approximating to wavelength of D-Line)
Output	(1) Digital Printer DP-63(C) (Optional) is used. (2) Communication syste : RS-232C
Dimensions & Weight	13×29×31cm, 6.0kg (Refractometer) 10.5×17.5×4cm, 0.7kg (AC adapter)

Special Order Option : The sample stage height can be customized.

Options

- Digital Printer DP-63(C) (Thermal printer) : Cat.No.3136
- RS-232C Cable For Personal Computer (D-Sub9Pin) : RE-15305
- Adapter for film sample : RE-1581
- 10% Sucrose ($\pm 0.03\%$) : RE-110010
- 20% Sucrose ($\pm 0.03\%$) : RE-110020
- 30% Sucrose ($\pm 0.03\%$) : RE-110030
- 40% Sucrose ($\pm 0.04\%$) : RE-110040
- 50% Sucrose ($\pm 0.05\%$) : RE-110050
- 60% Sucrose ($\pm 0.05\%$) : RE-110060
- Test piece A with m-naphthalene : RE-1195
- Eyepiece for polarizing : RE-1146
- * Calibration Certificate : Contact an ATAGO representative for details.

Parts

- * As for the other consumables & the part please view this.
- *Please inform us of a serial number in the case of an order.