

ATAGO® DIGITAL DIFFERENTIAL REFRACTOMETER

DD-7™ The Ultimate Answer For Monitoring Low-Concentration Liquids.



The Digital Differential Refractometer DD-7™ measures solutions of up to 2.000% Brix concentration at the extremely high-accuracy level of 0.005% Brix by measuring the difference in concentrations of 2 solutions.

Applications

- Tea
- Unsweetened or diet beverages
- Coffee or herbal extracts
- Surfactants

- Measurement is very simple. Inject a reference solution and a sample solution to respective injection ports, and press the Start Switch.
- Digital readings eliminate reading errors resulting from user subjectivity.
- Measurement data can be exported to a printer or computer via RS-232C connection.

Liquid Crystal Display (LCD)



When a reference solution of 8.000% Brix is used, for example, the DD-7™ can measure concentrations in the range of 8% to 10% Brix at resolution of 0.001% Brix and precision of measurement of $\pm 0.005\%$ Brix. (That the range of measurement gets narrower at concentrations higher than 10% Brix.)

Note: High viscosity samples may not be suitable for measurement.

Digital Differential Refractometer

DD-7™

Cat.No.3930

Measurement range	0.000 to 2.000% (for sucrose solution) It is possible to measure samples with refractive index up to 1.50 (nD) by reference solution
Resolution	0.001%
Measurement accuracy	$\pm 0.005\%$ (In the case of measurement of sucrose solution (0 to 2%) at 30°C)
Measurement temperature	15.00 to 40.00°C (The lower limit room temperature)
Power supply	AC100 to 240V, 50/60Hz
Power consumption	50VA
Output	Printer and PC (via RS-232C)
Dimensions and weight	36x35x14cm, 6.2kg (main unit only)

Optional printers **R9B**