

# AREM5 – Digital ABBE Refractometer

Portable - Refractive index nD: 1.3000-1.7000



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Catalogue



## Automatic Digital Measuring System

AREM5 with high quality optical system, perfect software, is right tools in food, beverage, petroleum, pharmacy... to measuring of refractive index



## LCD Screen Digital Display

Digital Display in two rows show all necessary data for high precision reading results



## Temperature Correction

Temperature correction system is very accurate mathematical solution to calculate deviation of measured sample in the case measuring without water bath for tempering.



## Simple to clean

High quality measurement refractive prism, made from durable glass, is easy to clean.



## RS 232 interface

With optional program, refractometer can be connector to the computer, and all data can be storage, read, analyze...

AREM5 is wide range high precision ABBE refractometer designed for measuring the refractive index in food and beverages of liquids, solids and sugar concentrations (° Brix), industry, chemical, petroleum, food, pharmaceutical, universities and research etc. Precise optics with automatic temperature compensation displayed as °Brix and sample temperature.

Item Name	AREM5
Measurement range	1.30000-1.70000nD 0-100% Brix
Accuracy	Refractive index nD: $\pm 0.0002$ Dissolved Solids Brix: $\pm 0.1\%$
Type	Digital, ABBE
Measurement prism	Optical glass
Wavelength	589nm
Temperature compensation	0°C-90°C
Serial interface for PC or printer	Yes
Connection for temperature control	Yes
Power	5W
Display	LCD
Ambient temperature	0-40°C
Moisture	Up to 85%
Parameter settings	Double system – LCD capacitive touch screen and Soft Touch Keyboard
Microbiological paint coating protection	Yes
Temperature	Integrated thermometer
Power supply	AC 220V $\pm 10\%$ -50/60Hz
Weight kg NV/GW	8/9

Please note

If this Refractometer does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

**COLO LabExperts**



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