

Arias 500 Refractometer: Gives you *both* automation and visual verification.

ARIAS 500 Semi-Automatic Refractive Index Analysis System

The ARIAS 500 is the world's first transmitted light refractometer capable of automatic readings with precision comparable to high-end automatic reflected light refractometers. This semi-automatic refractometer eliminates the need for shadowline intersect interpretation and delivers consistently repeatable results. The ARIAS 500 compensates for temperature and delivers the results on an easy-to-read digital display with multipoint calibration ability.



ARIAS Key Features

- Software interpretation of shadowline intersect reduces operator error
- Illumination using internal 589 nm LEDs with 589 nm filter
- 1.3 to 1.7 refractive index range
- Reads out to 0.0001nD or 0.01% solids (Brix)
- Up to 14 custom scales can be programmed
- Operating temperature range from 10° - 80° Celsius
- Calibration from 1 to 7 points using distilled water and available NIST certified calibration oils
- Automatic Temperature Compensation between 10° - 40°C
- Automatic Temperature Equilibration Detection

ARIAS 500

Operation	Semi-Automatic, Transmitted Light Refractometer
Catalog No.	1310499SA (110 to 240V with US, EU and UK Power Cords)
Sample Types	Transparent and Translucent Liquids or Solids
Reading Range	1.3 to 1.7 Refractive Index Full Brix Scale per ICUMSA
Precision	0.00005 Refractive Index, 0.03 Brix
Calibration	Set Point or Set Point/Span User Definable
Temperature Control Method	Ports for External Circulator
Temperature Control Range	10° to 80° Celsius
Temperature Precision	0.01° Celsius
Prism Assembly	Glass Prism sealed with Epoxy to 416 Grade Stainless Steel Housing
Display	Graphic LCD Display, 1.8"W X 1.8"H (4.7 X 4.7 cm)
User Interface	Simple, Effective 5-Button Operation
I/O	2 RS-232-C 9-pin Serial Ports
Warranty	2 Years
Software Features	Multilingual (English, German, Spanish, French), Calibration History Record, Programmable With Up to 14 Custom Scales, Password Protected Set-Up, Automatic Sample Equilibration Detection, Restore to Factory Option

