

# Abbe Mark III Refractometer:

## A modern interpretation of the Classic Abbe refractometer.

The Abbe Mark III Manual Abbe Transmission Refractometer includes operating features of the Abbe Mark II Plus and advanced features as found on the Arias 500 refractometer. To operate, just place the shadowline intersect in the center of the crosshair and press the Read button. The display is digital and measurement accuracy is guaranteed due to the Automatic Temperature Equilibration Detection software in the instrument. Up to 14 custom scales can be added to this manual transmission refractometer.

The Abbe Mark III has many attributes only seen in advanced automatic digital refractometers that cost twice as much! With a wide refractive index measurement range of 1.3000 to 1.7000, the instrument is suited for all industries including pharmaceutical, chemical, food and beverage.

### ABBE MARK III KEY FEATURES

- Illumination provided by long life internal LEDs
- 1.3000 to 1.7000 refractive index range
- Reads out to 0.0001nD or 0.1% solids (Brix)
- Up to 14 custom scales can be programmed
- Operating temperature range from 10° to 80° C
- Automatic Temperature Compensation between 10° to 40° C
- Automatic Temperature Equilibration Detection



ABBE MARK III	
Operation	Manual, Transmitted Light Refractometer
Catalog No.	1310488M
Sample Types	Transparent and Translucent Liquids or Solids
Reading Range	1.3000 to 1.7000 Refractive Index Full Brix Scale per ICUMSA
Precision	0.0001 Refractive Index, 0.1 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

