



Reichert Arias Optimatrix™ 500 vs Competitor Abbe Refractometer

FEATURE	BENEFIT	ARIAS Optimatrix™ 500	Competitor Abbe
Automatic shadowline detection	Eliminates human reading errors	STANDARD	Not Available
True 589nm Sodium-D Line illumination	Color dispersion in shadow line eliminated	STANDARD	Not Available
6 long-life high-intensity LEDs	No moving light arm or lamps to replace	STANDARD	Not Available
High precision resolution, RI and % solids	10-fold increase in measurement capability	STANDARD	Not Available
Accuracy to 0.00005 RI and 0.03% solids	Will detect minute differences	STANDARD	Not Available
Precision to 0.00002	Provides consistent and repeatable results	STANDARD	Not Available
2 RS232 serial ports	Offers bi-directional communications	STANDARD	Not Available
15 channels/calibration curves	Customize readings for any application	STANDARD	Not Available
Multipoint calibration capability, set-point and span validation	Accuracy across entire reading range	STANDARD	Not Available
Software updates can be performed on site	Customer convenience	STANDARD	Not Available
Automatic temperature equilibration	Ensures temperature stability/accuracy	STANDARD	Not Available
Temperature correction in RI mode	Eliminates use of water circulator	STANDARD	Not Available
Solid state design with few moving parts	Wear and tear minimized	STANDARD	Not Available
Voltage line sensing from 110-240V	Can be operated worldwide	STANDARD	Not Available
LCD screen displayed in English, German, Spanish and French	Can be operated worldwide	STANDARD	Not Available
Prism assembly secured by magnet locks	Eliminates wear and tear	STANDARD	Not Available
Calibration history maintained for analysis	Ensures calibration procedures are followed	STANDARD	Not Available



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