

Automatic Refractometer IAR-2220(110V(12V,10A))



Automatic Refractometer IAR-2220 is used to reduce differences value in measuring data between user with excellent accuracy and readout value it can be used to measure refractive index and brix value of sample at different temperature. The IAR-2220 is equipped with LED light source which replaces the tungsten because of its exceptional durability of 100,000 hours. The intensity of reflected light is determined by CCD scanner and resulting position of light or dark boundary automatically. To avoid stray light and evaporation, the sample cover is placed over the sample and Sapphire glass and hard glass contain prism.

The IAR-2220 provides refractive index range, up to 1.30000 to 1.70000, resolution 0.00001 and brix range, up to 100 %, resolution 0.01%, with temperature range 5 to 80°C and 10 to 50°C.

Technical Specification:

Model	IAR-2220
Refractive Index Range	1.30000 to 1.70000 nD
Refractive Index Resolution	0.0001 nD
Refractive Index Accuracy	0.0001 nD
Brix Range	0 to 100 %
Brix Resolution	±0.01 %
Brix Accuracy	±0.01 %
Temperature	10 to 50 °C
Temperature Accuracy	±0.1°C
Interface	RS232/USB/SD card/U disk/Internet
Display	7 inches, TFT touch screen
Overall Dimensions	365X300X150 mm
Power	45 W
Weight	12 kg
Electrical Requirement	110V(12V,10A)
Catalogue No.	460151001

Technical Data:

Model	IAR-2210	IAR-2220
Refractive Index Range	1.30000 to 1.70000 nD	
Refractive Index Resolution	0.0001 or 0.00001 nD	0.0001 nD
Refractive Error	0.0001 nD	
Brix Range	0 to 100 %	
Brix Resolution	±0.01 % or ±0.001 %	±0.01 %
Brix Error	±0.01 %	
Temperature	5 to 80 ?	10 to 50 ?
Measuring Temperature Range	0 to 100?	
Temperature Accuracy	±0.02?	±0.1?
Display	7 inches, TFT touch screen	
Detector	CCD	
Light Source	LED	
Interface	RS232/USB/SD card/U disk/Internet/Wi-Fi	RS232/USB/SD card/U disk/Internet
Storage	4 GB	
Power Consumption	45 W	
Dimension	365X300X150 mm	
Wight	12 kg	
Electrical Requirement	110V(12V,10A)	240V(12V,10A)
Catalogue No.	460150501	460150502



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