

WYV-S Digital Refractometer



Characteristics

- Wide range, high-precision and multi-wavelength.
- Available for refractive index changes after high-temperature heat treatment of materials.
- Fast and accurately measure the refractive index, average dispersive partial dispersion and sugar solution mass fraction (Brix) for transparent or translucent solid or liquid substances.
- User-friendly interface, fast measuring speed, good repeatability, temperature correction.
- Four optional light sources.

Specifications

Parameters/Model	WYV-S
Measuring range	Refractive index (nD): 1.300000–1.700000(liquid) 1.300000–1.950000(solid)
	Brix: 0-100%
Accuracy	Refractive index (nD): $\pm 5 \times 10^{-5}$ Brix: $\pm 0.1\%$
Resolution	Refractive index (nD): 1×10^{-6} Brix: 0.01%
Wavelengths	706.5nm , 656.3nm , 589.3nm , 587.6nm 546.1nm , 486.1nm , 435.8nm , 404.7nm
Light Source (optional)	Hydrogen lamp/Sodium lamp/Helium lamp/Mercury lamp
Temp. display range	0-50°C
Magnifying Factor of the magnifier	5X
Display	5.6 inch color touch screen
Interface	RS232 , USB , U disk
Power supply	220V $\pm$ 22V , 50Hz $\pm$ 1Hz , 120w
Overall dimensions	720mm $\times$ 550mm $\times$ 560mm
Weight(Gross)	80kg