

Woodlyn® Classic Refractor

Woodlyn's Refractor incorporates several outstanding features.

When refining refraction, Woodlyn now offers the option to either rotate the "better-one better-two" refinement knob, or rotate the low sphere disc. Also featured is a unique "Child Guard™" which prevents children from inadvertently turning the dials while at the same time serves as a hand rest for the doctor. In addition, the refractor features feather-touch control, a time saving automatically synchronized cross cylinder axis, anti-reflective coating on lenses.



SPECIFICATIONS

Range of Measurement of Spherical Lenses:

Combination of two sphere power dials +16.75D to -19.00D in 0.25D steps by rotation of only the weak sphere dial or B1, B2 knob. Can also adjust sphere power in 3 diopter steps with the major sphere dial.

Range of Measurement of Cylinder Lenses:

0.00D to -6.00D with 0.25D steps. Available in plus or minus cylinder. A pair of 0.12D cylinders in accessory cells permits refinement to 1/8th D steps. A pair of 2.00D cylinders in accessory cells extends cylinder power range to 8.00D.

Cylinder Axis:

360° (Doubles 0° to 180° Scale) with 5 degree markings.

Cross Cylinders:

The standard cross cylinder cells supplied are +/-0.25D (+/- 37D and +/-0.50D cross cylinders are available as optional parts).

Rotary Prisms:

Each rotary prism unit has a range of 20D with 1D scale graduation. Paired, prisms give 40D in any base direction.

PD Adjustment Range:

48mm to 75mm with mm scale graduation.

Vertex Distance:

13.75mm

Reading Distance:

5" to 28" (Centimeter and Diopter scales)

Auxiliary Dial:

10 auxiliary lenses and two open apertures. "O" (Open Aperture), "R" (Retinoscope Lens, +1.50 D), "P" (Polarizing Lens), "WMV" or "RMV" (Maddox Rod, Vertical White, left eye. Red, right eye), "WMH" or "RMH" (Maddox Rod, Horizontal White, left eye. Red, right eye), "RL" (Red Lens), "+.12" (+0.12 Sphere Lens), "PH" (Pin Hole), "6DU" (6 base-up prism), "+/- .50" (+/-0.5D fixed cross cylinder), "OC" (Occluder)

Net Weight: 10 lbs.

Gross Weight: 14 1/2 lbs.

Accessories:

- Near Point Rod
- Near Point Chart
- Near Point Chart Holder
- Face Shields
- Dust Cover
- Safety Screw