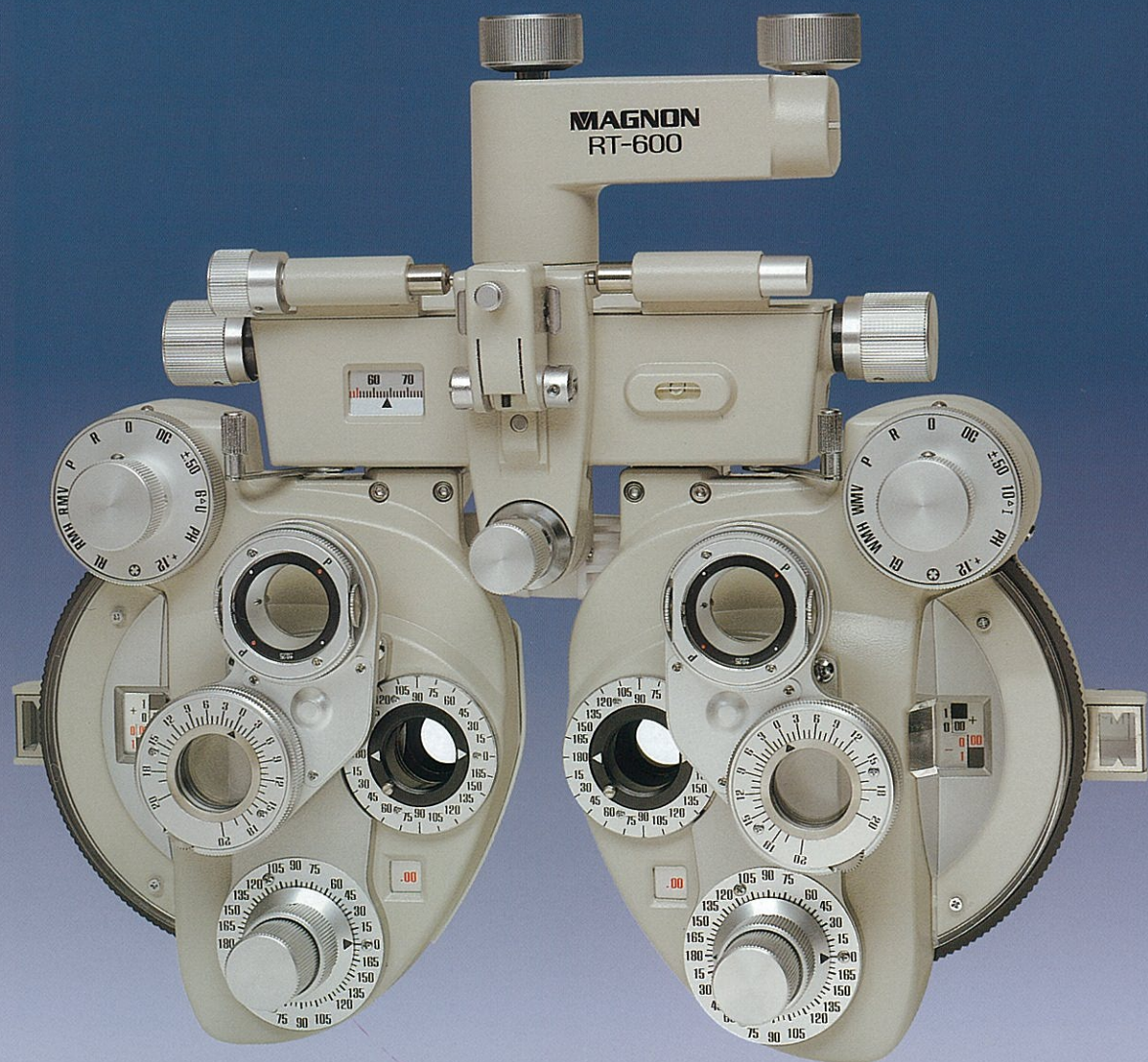


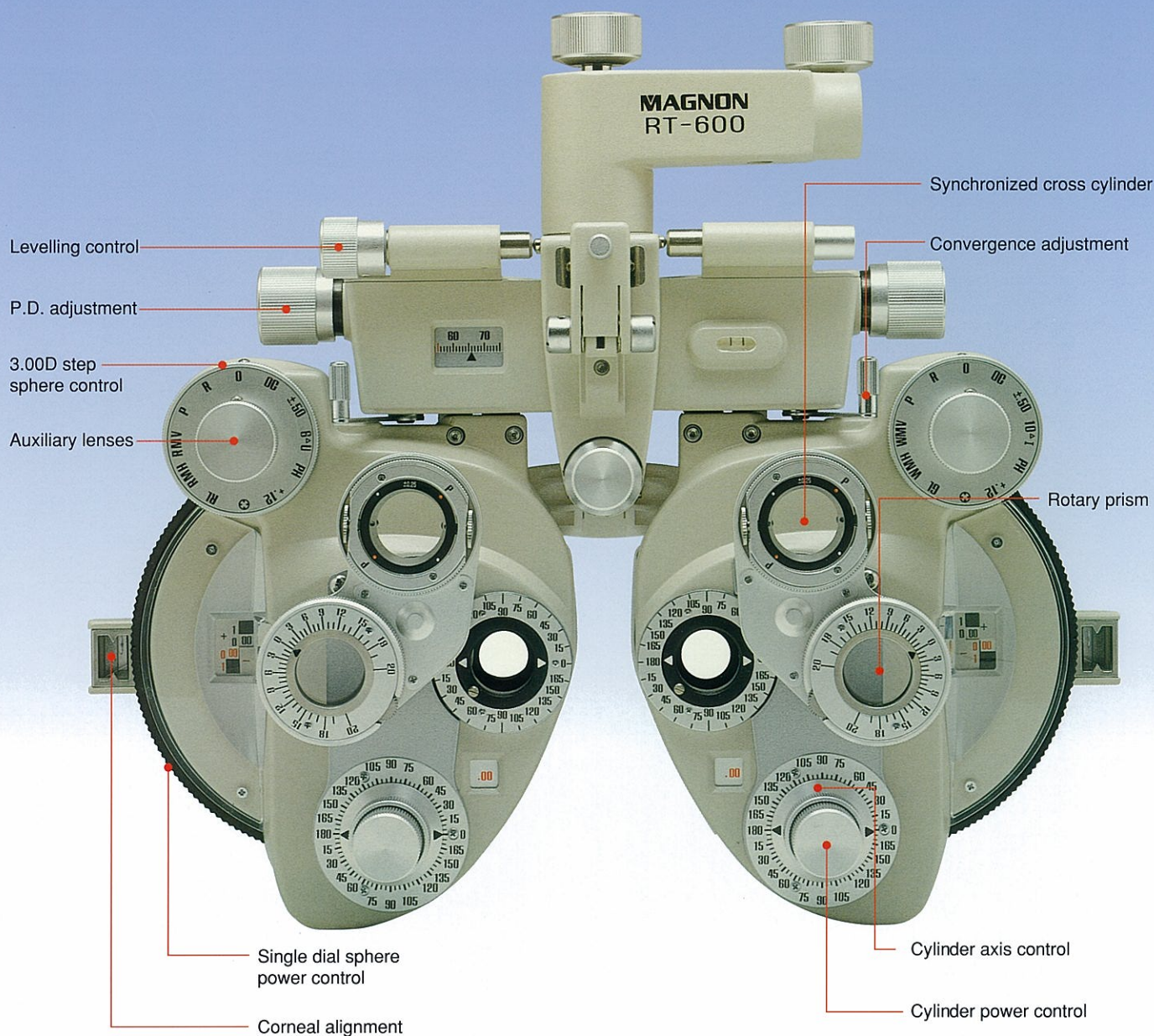
RT-600

Refractor



MAGNON

EXCELLENT OPTICAL PERFORMANCE, SUPERB MECHANICAL DESIGN AND ACCURATE REFRACTION

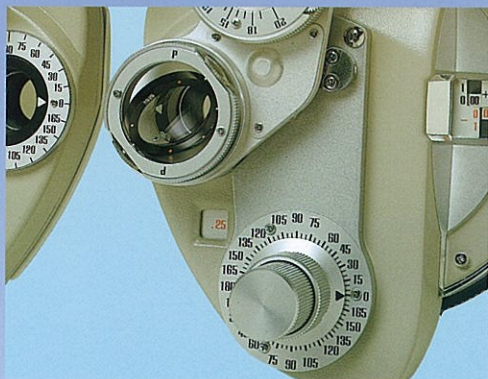


The MAGNON RT-600 refractor offers the most accessible operating controls of any refracting instrument. It gives professional distinctive features: the time-saving synchronized cross cylinder and the simple convergence system.

Excellent optical performance is the result of our intensive research, skilled lens design, unique manufacturing capabilities and high standards. Superb mechanical performance results from first quality materials, superior design and workmanship, precision machining, and rigid inspection and testing.

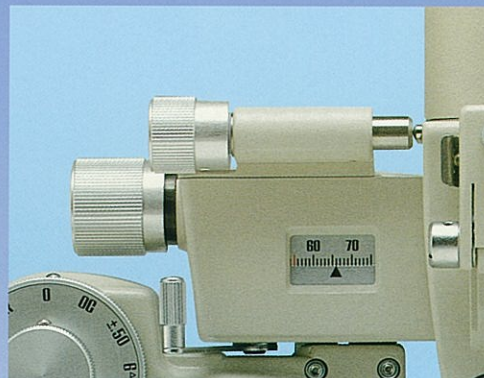
Synchronized cross cylinders

The cross cylinder loupe automatically rotates to a corresponding axis each time the operator changes the cylinder axis through the synchronized mechanism. The operator simply reads a single scale once at the conclusion of the test.



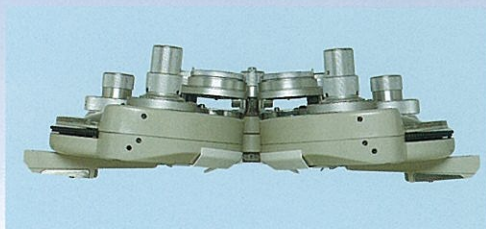
Dual P.D. adjustments

Dual controls make it easy for the operator to adjust interpupillary distance, in a range from 50mm to 75mm. An easy to read scale is in 1mm gradation.



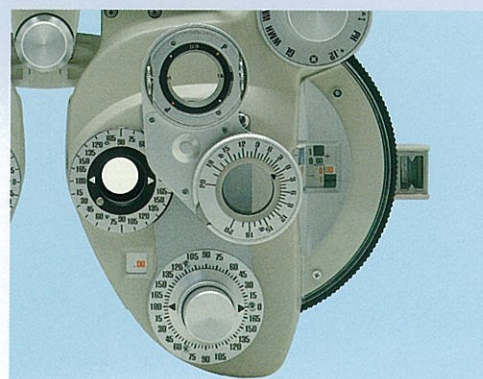
Convergence adjustment

The convergence levers provide precision measurement for the ultimate clinical accuracy at near vision test.



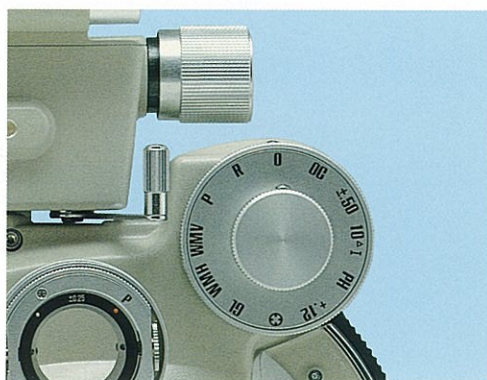
Wide testing range

Simple dial sphere control allows the operator to dial any sphere lens power from +16.75D through 0 to -19.00D in 0.25D step. Timesaving strong sphere control allows adjustment in 3.00D step and the auxiliary lens knob provides an additive +0.12D sphere power for fine-tuning. The cylinder power range extends to 8.00D in 0.25D step. 1Δ scale gradation permits a more accurate interpolation of readings to 0.5Δ.



Versatile auxiliary lenses

Convenient placement of accessory knob next to cylinder power/axis knob eliminates reading in front of a patient's view and permits quicker, easier examinations. It incorporates with 10 different useful lenses plus one each of open aperture and test mark for PD alignment in each battery.



SPECIFICATIONS

Sphere power	Range : -19.00D ~ +16.75D (-29.00D ~ +26.75D with optional lens) Step : 0.25D (0.12D steps with +0.12D in auxiliary dial)
Cylinder power	Range : 0 ~ -6.00D (0 ~ -8.00D with -2.00D accessory lens) Step : 0.25D (0.12D steps with -0.12D accessory lens)
Cylinder axis	360° (double 0 ~ 180° scale), 5° step
Cross cylinder	±0.25D (synchronized with cylinder axis)
Rotary prism	0 ~ 20Δ, 1Δ step
Auxiliary lens dial	" O " : Open aperture " R " : Retinoscopic lens (+1.50D) " P " : Polarizing lens (45°— left eye, 135°— right eye) " WMV " : White maddox vertical (left eye) " WMH " : White maddox horizontal (left eye) " RMV " : Red maddox vertical (right eye) " RMH " : Red maddox horizontal (right eye) " GL " : Green lens (left eye) " RL " : Red lens (right eye) " ⊕ " : Test mark for P.D. " +.12 " : +0.12D sphere lens " PH " : Pin hole (1 mm) " 10ΔI " : 10Δ base-in (left eye) " 6ΔU " : 6Δ base-up (right eye) " ±.50 " : ±0.50D fixed cross cylinder lens " OC " : Occluder
P.D. adjustment	50 ~ 75 mm, 1 mm step
Convergence adjustment	Infinity to 380 mm (at P.D. 64 mm)
Forehead rest adjustment	16 mm
Vertex distance	13.75 mm
Dimensions	292 (H) x 338 (W) x 99 (D) mm
Weight	4.6 kg
Finish	White grey
Accessories	1 pair each of -0.12D and -2.00D cylinder lenses in cell, 1 pair of cover glasses in cell, 1 clamp bracket lock screw, 1 blower brush (all in accessory case), 1 near point card with holder and reading rod, 1 pair of face shields and 1 vinyl dust cover
Optional accessories	1 pair of -10.00D and +10.00D sphere lenses, ±0.37 or ±0.50D cross cylinder lenses, +2.50D retinoscopic lens

Specifications and design are subject to change for improvement without notice.

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