

# RT-700 *Illuminated* REFRACTOR



*The perfect blend of style, function,  
and illumination control.*

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## The MARCO RT-700 ILLUMINATED REFRACTOR

is the perfect blend of style, function, and illumination control. Marco has completed this dramatic leap into a new refractor design by incorporating all of the classic elements and features that primary eye care providers demand from a traditional refractor. The Marco RT-700 is a distinctive industry-recognized design that conveniently combines a proven illumination system with Marco-certified quality. With the RT-700, Marco has continued its long-standing tradition of utilizing the very best materials and craftsmanship to construct a superior, high-quality vision diagnostic instrument that doctors have come to expect from Marco products.

### FEATURES

- Infinitely adjustable illumination for sphere, cylinder, and axis measurements
- White prism, accessory, and cross-cylinder scales provide easier recognition in dim lighting conditions.
- Functional “wing-grip” design provides easier maneuverability of Refractor head
- Soft, smooth knurled knobs provide consistent, effortless adjustments
- Fully-synchronized axis / cross-cylinder system
- Certified Marco Quality
- Standard 5-year limited warranty



Marco-Certified Quality assures you of the very finest vision products, offering advanced technology, industry-leading durability and enhanced productivity for your practice. Marco-Certified Quality is your mark of confidence.



### SPECIFICATIONS

<b>Sphere Power</b>	
<b>Range:</b>	+16.75 to -19.00 diopters
<b>Step:</b>	0.25 diopters
<b>Cylinder Power</b>	
<b>Range:</b>	0.00 to $\pm 6.00$ diopters 0.00 to $\pm 8.00$ diopters with additional lens of $\pm 2.0$ diopters)
<b>Cylinder Axis</b>	0 to 180°, 5° steps
<b>Cross Cylinder</b>	$\pm .25$ diopter, selectively synchronized with cylinder axis
<b>Rotary Prisms</b>	0 $\Delta$ to 20 $\Delta$ , 1 $\Delta$ steps
<b>Auxiliary Lens Dial</b>	(O) – Open aperture (two positions) (R) – Retinoscopic lens, +1.50D (P) – Polarizing lens 45° left eye, 135° right eye (WMV) White Maddox rod, vertical (RMV) Red Maddox rod, vertical (WMH) White Maddox rod, horizontal (RMH) Red Maddox rod, horizontal (RL) – red lens (GL) – green lens (+.12) – +0.12 sphere (PH) –Pin hole (10 I) or (6 U) – 10 base-in – left eye 6 base-up – right eye (Disassociating prisms) ( $\pm .50$ ) – $\pm 0.50$ fixed cross cylinder (OC) – Occluder
<b>P.D. Adjustment</b>	48 – 75mm, 1mm steps
<b>Convergence Adjustment</b>	Infinity to 400mm
<b>Forehead Rest Adjustment</b>	16mm
<b>Vertex Distance</b>	13.75mm from apex of cornea
<b>Dimensions/Weight</b>	13.54(L) x 3.78(W)x 12.01(H); approximately 9.79 lbs.
<b>Standard Accessory Lenses</b>	$\pm 0.25$ Cross cylinder test lens +1.50 Retinoscopic lens
<b>Transformer (Power Supply)</b>	
<b>Input:</b>	120VAC 60Hz 12W
<b>Output:</b>	9VDC 800mA
<b>Standard Accessories</b>	Allen wrench, nearpoint card, nearpoint card holder, power transformer, accessory lens set, reading rod, face Shields, dust cover, tweezers, spare bulbs, power cord, tube, power cord clips
<b>Optional Accessories</b>	Patient face shield with plano cover lens

