



# RT-700 *Illuminated* REFRACTOR



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

## 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 LED 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 LED 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

### LED ILLUMINATION STANDARD



5 YEAR 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<br>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>             | $\pm 0.25$ 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)<br>(R) – Retinoscopic lens, +1.50D<br>(P) – Polarizing lens 45° left eye, 135° right eye<br>(WMV) White Maddox rod, vertical<br>(RMV) Red Maddox rod, vertical<br>(WMH) White Maddox rod, horizontal<br>(RMH) Red Maddox rod, horizontal<br>(RL) – red lens<br>(GL) – green lens<br>(+.12) – +0.12 sphere<br>(PH) – Pin hole<br>(10 $\Delta$ I) or (6 $\Delta$ U) – 10 base-in – left eye<br>6 base-up – right eye<br>(Disassociating prisms)<br>( $\pm 0.50$ ) – $\pm 0.50$ fixed cross cylinder<br>(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);<br>approximately 9.79 lbs.  |
| <b>Standard Accessory Lenses</b>  | $\pm 0.25$ Cross cylinder test lens<br>+1.50 Retinoscopic lens   |
| <b>Transformer (Power Supply)</b> |  |
| <b>Input:</b>                     | 100–240VAC 47-63Hz .29–.16A  |
| <b>Output:</b>                    | 9VDC 1.33A   |
| <b>Standard Accessories</b>       | Allen wrench, nearpoint card, nearpoint card holder, power transformer, accessory lens set, reading rod, face shields, dust cover, power cord tube, power cord clips   |
| <b>Optional Accessories</b>       | Patient face shield with plano cover lens  |



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