



# 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, highquality 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



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

### SPECIFICATIONS

Sphere Power

Range: +16.75 to -19.00 diopters

Step: 0.25 diopters

Cylinder Power

Range: 0.00 to  $\pm 6.00$  diopters

> 0.00 to ±8.00 diopters with additional lens of  $\pm 2.0$  diopters)

Cylinder Axis 0 to  $180^{\circ}$ ,  $5^{\circ}$  steps Cross Cylinder ±.25 diopter, selectively

synchronized with cylinder axis

 $0\Delta$  to  $20\Delta$ ,  $1\Delta$  steps Rotary Prisms

Auxiliary Lens Dial (O) – Open aperture (two positions)

(R) – Retinoscopic lens, +1.50D (P) – Polarizing lens 45° left eye,

135º 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 l) 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

P.D. Adjustment 48 - 75mm, 1mm steps Convergence Adjustment Infinity to 400mm

Forehead Rest Adjustment 16mm

Vertex Distance 13.75mm from apex of cornea Dimensions/Weight 13.54(L) x 3.78(W)x 12.01(H);

approximately 9.79 lbs.

Standard Accessory Lenses ±0.25 Cross cylinder test lens

+1.50 Retinoscopic lens

Transformer (Power Supply)

120VAC 60Hz 12W Input: 9VDC 800mA Output:

Standard Accessories Allen wrench, nearpoint card, nearpoint

> card holder, power transformer, accessory lens set, reading rod, face shields, dust cover, power cord tube, power cord clips

**Optional Accessories** Patient face shield with plano cover lens













