

Marco TOTAL REFRACTION SYSTEM



- Large 10.4" color touch display
- Intuitive, ergonomic keyboard for simple, one-handed operation
- Forehead rest range of 25+2 mm, comfortably accommodating a wide range of patients
- Programmable monocular fogging better suppresses accommodation & allows more realistic refractions with both eyes open
- OPD wavefront maps can be displayed for more effective diagnostics & patient education
- Tilt screen & angled refractor head allows realistic near testing
- Your most frequently used charts can be saved on a 'favorites' page for quick & easy access

TRS-6100 SPECIFICATIONS



MEASUREMENT RANGE	
Spherical power	-29.00 to +26.75 D (0.12, 0.25, 0.5, 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25, 2.50, 2.75, 3.00 D increments)
Cylindrical power	0.00 to ± 8.75 D (0.25, 1.00, 2.00, 3.00 D increments)
Cylinder axis	0 to 180° (1, 5, 15° increments)
Pupillary distance	Distance PD: 48 to 80 mm Near PD (35 cm): 50 to 74 mm Full convergence Distance PD: 54 to 80 mm
Prism	0.00 to 20.00 Δ (0.1, 0.5, 2 Δ increments)
REFRACTOR HEAD	
Auxiliary lens	Cross cylinder : ± 0.25 D, ± 0.50 D, ± 0.25 D auto cross Occluder Pinhole: 2.0 mm in diameter Color filter: Right red, Left green Polarizing filter: Right 135° / Left 45°, Right 45° / Left 135° Fixed cross cylinder: ± 0.50 D Spherical lens for retinoscope: 0 D, +1.5 D, +2.0 D (selectable by setting) Maddox rod (red): Right horizontal, Left vertical Dispersion prism (fixed): Right 6 BU, Left 10 BI Dispersion prism for binocular balance: Right 3-10 BD, Left 3-10 BU Dispersion prism for horizontal phoria: Right 3-10 BU, Left 3-10 BD Dispersion prism for vertical phoria: Right 5-15 BI, Left 5-15 BI
Near gaze distance	350 to 700 mm (can be changed in 50 mm increments)
Field of vision	40° (at VD = 12 mm) 39° (at VD = 13.75 mm)
Pupillary distance	Distance PD: 48 to 80 mm Near PD (working distance of 35 cm): 50 to 74 mm Full convergence distance PD: 54 to 80 mm
Forehead rest adjustment range	25 \pm 2 mm
Vertex distance scale	12, 13.75, 16, 18, 20 mm
Horizontal level adjustment	$\pm 2.5^\circ$
CONTROL BOX	
Touch display	10.4-inch color LCD
DIMENSIONS AND MASS	
Refractor head	16.06 x 4.21 x 10.91" / 7.1 lbs
Control box	10.23 x 9.06 x 8.15" / 4.6 lbs
Relay box	7.44 x 8.7 x 2.87 / 3.1 lbs
Printer	3.98 x 3.39 x 4.76 / 1.3 lbs

Visit our website for the full list of EMR Partners.
All Marco Technologies integrate with EMR via Marco Connect Software



Designed and Manufactured by NIDEK - Represented by Marco
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