

**Marco
TS-610**

COMBINED DIGITAL REFRACTOR & CHART SYSTEM



- Intuitive, ergonomic keyboard allows simple, ambidextrous, one-handed operation
- Large 10.4" color LCD touch screen
- All charts needed for both near & far vision measurements
- Frequently used charts can be saved as favorites for easy access
- OPD Wavefront maps displayed for more effective diagnostics & patient education
- Programmed monocular fogging reduces accommodation & allows more realistic refractions with both eyes open
- Versatile, compact 2' x 2' footprint with simple installation
- Forehead rest range of 25±2 mm accommodates more patients
- Flexible measurements from either side for seated or standing patients

TS-610 SPECIFICATIONS

SSC-100 CHART

Refraction distance	Distance: 5 m, Near: 40 cm
Masks	Horizontal and vertical lines, single letter
Filter	Red-Green
Binocular vision tests	Red-Green, Prism

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	0.00 to ± 8.75 D (0.25, 1.00, 2.00, 3.00 D 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 (0.1, 0.5, 2 increments)

REFRACTOR HEAD

Auxiliary lens	<ul style="list-style-type: none"> • Cross cylinder : ± 0.25D, ± 0.50D, ± 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: 0D, +1.5D, +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 • Binocular open fogging: 0.00 to +9.00 D*
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 5 mm
Vertex distance scale	12, 13.75, 16, 18, 20 mm
Horizontal level adjustment	$\pm 2.5^\circ$

CONTROL BOX

Touch screen	10.4-inch color LCD
Dimension and Mass	10.23 x 9.06 x 8.15" / 4.6 lbs

TABLE TOP UNIT

Dimensions & Mass	17.6 (W) x 20.5 (D) x 30 to 35.7 (H)" / 75.6 lbs
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