TRS-5100

◎ TOTAL REFRACTION SYSTEM

The **TRS-5100** replaces the manual refractor and allows the doctor to control the refraction process through a keypad. With the TRS, the operator can remain comfortably seated throughout the entire exam, eliminating repetitive stress injuries. The TRS enhances the patient experience through a faster, more modern exam. The entire refraction process can be pre-programmed to increase staff efficiency and maximize patient flow. The TRS-5100 generates extremely accurate and reliable refractions, minimizes staff variables, eliminates transcription errors, while smoothly integrating with EMR systems.

FEATURES

- Color touch screen
- Improved test and target design
- Intelligent cross cylinder
- Multiple near tests
- Tilt screen for near testing
- Near reading card lights built-in
- One touch toggle for “Quick Refract” sequence
- Ability to compare old Rx to subjective Rx at the push of a button

Marco communicates with most EMR companies. Call for details.

MARCO

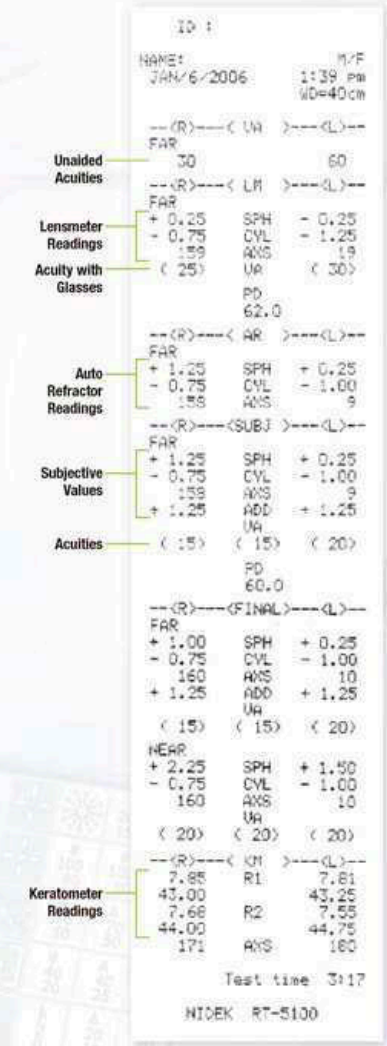
THE LEADER IN VISION DIAGNOSTICS®

TRS-5100 Total Refraction System Specifications

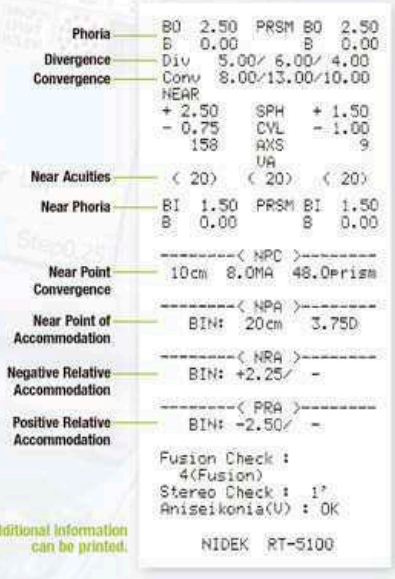
Measuring Range	
Sphere	-29.00 to +26.75D (0.12D / 0.25D / 1D / 2D / 3D steps)
Cylinder	0 to ±8.75 D (0.25D / 1D / 2D / 3D steps)
Axis	0 to 180° (1° / 5° / 15° steps)
PD	48 to 80mm (far vision) 50 to 74mm (near vision) (0.5 / 1mm steps) 54 to 80mm (Far PD at which both batteries can converge)
Rotary Prism	0 to 20D (0.1 / 0.5 / 2D increments) 0 – 20D (0.5D, 1D, 2D steps)
Auxiliary Lenses	Occluder, Polarizing Lenses, Pin Hole (1mm), 10 base-in prism, Red Maddox Horizontal (right eye), 6 base-up prism, Red Maddox Vertical (left eye), Cross mark for P.D., Red Lens (right eye), .50 fixed cross cylinder, Green Lens (left eye), Retinoscopic Lens, (+1.5D, +2.0D)
Refraction Distance for Near Vision	350 to 700mm (50mm increments)
Visual Field	40° (VD = 12mm) 39° (VD = 13.75mm)
Forehead Rest Adjustment	15mm
Vertex Distance	12-20mm (12, 13.75, 16, 18, 20mm)

General Information	
Horizontal Level Adjustment	±2.5°
Display	8.4-inch color LCD with touch screen
Power Supply	AC 100 / 120 / 230V 50 / 60Hz
Power Consumption	120 VA

Dimensions & Weight	W x D x H
Main body	15.94 x 4.0 x 10.86" / 12.8" with bracket / 7.7 lbs.
Control box	8.66 x 8.1 x 7.87" / 4.2 lbs.
Relay box	7.63 x 8.93 x 2.83" / 8.8 lbs.
Printer	4.0 x 3.38 x 4.76" / 0.66 lbs.
RT Arm	Electromagnetic lock, fully moveable up/down and back/forth



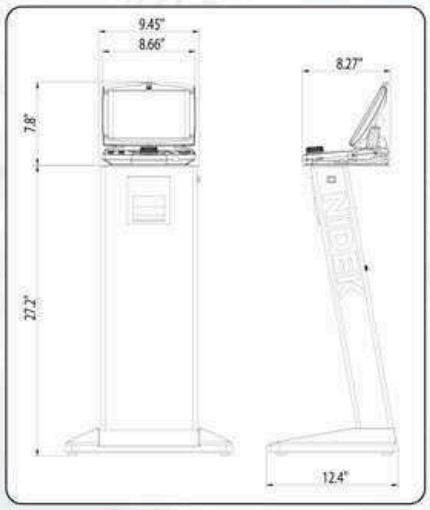
Measurement values are printed out for easy evaluation.



Additional information can be printed.

NIDEK

Manufactured by Nidek



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