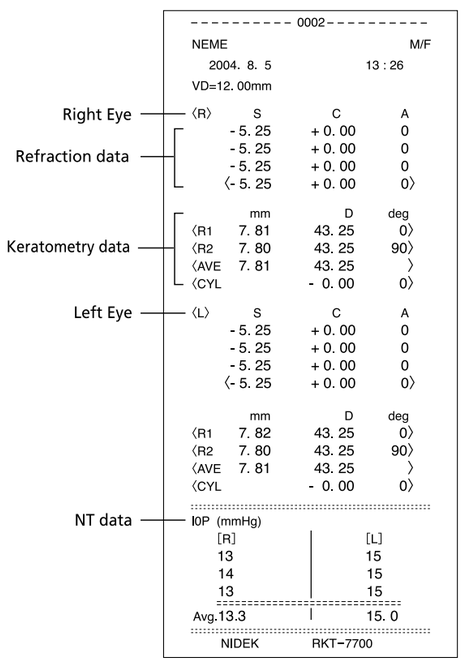
TONOREF RKT-7700 Specifications

Auto Ref/Keratometer		
Objective refractive power		
Measurable range	Sphere	-20.00D to +22.00D (V.D. =12mm), (0.12D/0.25D increments)
	Cylinder	0D to ±12.00D (0.12D/0.25D increments)
	Axis	0° to 180° (1°/ 5° increments)
Minimum pupil size	ϕ2.5 mm	
Corneal curvature		
Measurable range	Radius curvature	5.00 mm to 13.00 mm (0.01 mm increments)
	Refractive power	25.96D to 67.50D (n=1.3375), (0.12D/0.25D increments)
	Astigmatism	0D to ±12.00D (0.12D/0.25D increments)
	Axis	0° to 180° (1°/ 5° increments)
Chart	Scenery chart	
Tonometer		
Measurement range	1 mmHg to 60 mmHg	
Measurement range setting	APC40, APC60 (APC=Automatic Puff Control), 40, 60	
Working distance	11 mm	
Chart	Fixation lamp	
Alignment	Operation range by joystick Depth 36 mm Horizontal 86 mm Vertical 32 mm Automatic alignment range Depth ±5 mm Horizontal ±5 mm Vertical ±16 mm	
Pupil distance (PD)	30 mm to 85 mm (indication increments: 1 mm)	
Corneal size (CS)	10.0 mm to 14.0 mm (indication increments: 0.5 mm)	
Pupil size (PS)	1.0 mm to 10.0 mm (indication increments: 0.5 mm)	
Monitor	5-inch TFT color LCD	
Printer	Thermal line printer with automatic paper cutter	
Power supply	100/120 Vac, 220/230 Vac	
Power consumption	80VA	
Dimensions / Weight	283.5 (W) x 486 (D) x 516 (H) mm / 25 kg 11.1 (W) x 19.1 (D) x 20.3 (H) " / 55.2 lbs.	
Standard accessories	Fueses, Printer paper, Chinrest paper, Fixing pins for chinrest, Power cable, Dust cover, Model eye with CL holder, Cap for measuring window	

Sample Printout



VISIONARY PERFORMANCE

*Specifications and design are subject to change without notice for improvement.

PRINTED WITH SOY INK

Printed on environment-friendly recycled paper.

Printed in Japan TONOREF RKT-7700 NMDMM①

TONOREF RKT-7700

AUTO REF / KERATO / TONOMETER

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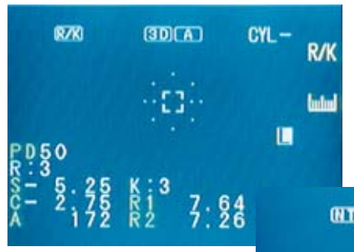
Eye & Health Care

Advanced & Innovative World's First Combination Model

Auto Ref/Keratometer & Non-Contact Tonometer in One Unit



ARK Screen

NT Screen

The NIDEK TONOREF RKT-7700 is the world's first combination model of an auto ref/keratometer (ARK) and a non-contact tonometer (NT). Combining the measurement of refractive power, corneal curvature and intraocular pressure (IOP), the device provides faster and accurate patient care in clinics and hospitals.

ARK Measurement

NT Measurement

Space Saving

Compact & Efficient

TONOREF RKT-7700, providing auto ref/keratometry and tonometry, saves space and offers great efficiency as well as patient convenience, eliminating the burden of moving from one device to another for each measurement.

Fast & Accurate

High-Speed & Reliable Measurement

With NIDEK's advanced technologies, the TONOREF RKT-7700 provides highly accurate, reliable and fast measurement, with significantly reduced measurement time.

Fully Automatic

3D Auto-Tracking & Auto-Shooting

The auto-alignment (X & Y directions), auto-focusing (Z direction) and auto-shooting provides faster, simpler and more accurate measurements. When alignment is performed correctly, measurement starts automatically.

Printer with Automatic Paper Cutter

The ARK and NT data can be automatically separated when printing.

Optimized Operability

From alignment, measurement, to data printing; all operations can be easily achieved with the user friendly joystick.

Tiltable LCD Monitor

The clear 5-inch TFT color LCD with tilting function offers easy operation even for a standing operator. The standing operator is still able to see the monitor while lifting the patient's eyelid to help hold the eye open.

One-Touch Lock

The upper movable part of the unit can be fixed with the advanced one-touch lock.

Patient Friendly

Softer Air

The TONOREF RKT-7700's advanced APC (Automatic Puff Control) function provides softer air for IOP measurement, providing increased patient comfort.

Safety First - Patient Detection Sensor

When a patient is present in front of the unit, the chinrest does not move when calibration and initialization is ongoing.

Motorized Chinrest

Up/Down buttons for the motorized chinrest.