

*Advanced & Innovative Technologies*

# TONOREF® RKT-7700

AUTO REF / KERATO / TONOMETER





## Optimized Operability

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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.



### ■ Motorized Chinrest

Up/Down buttons for the motorized chinrest.

### ■ One-Touch Lock

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



## Patient Friendly

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### ■ 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.



## 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	Fuses, Printer paper, Chinrest paper, Fixing pins for chinrest, Power cable, Dust cover, Model eye with CL holder, Cap for measuring window	

## Sample Printout

----- 0002 -----			
NEME		M/F	
2004. 8. 5		13 : 26	
VD=12.00mm			
Right Eye	<R>	S	C A
Refraction data		- 5.25	+ 0.00 0
		- 5.25	+ 0.00 0
		- 5.25	+ 0.00 0
		< - 5.25	+ 0.00 0)
Keratometry data		mm	D deg
	<R1	7.81	43.25 0)
	<R2	7.80	43.25 90)
	<AVE	7.81	43.25 )
	<CYL		- 0.00 0)
Left Eye	<L>	S	C A
		- 5.25	+ 0.00 0
		- 5.25	+ 0.00 0
		- 5.25	+ 0.00 0
		< - 5.25	+ 0.00 0)
		mm	D deg
	<R1	7.82	43.25 0)
	<R2	7.80	43.25 90)
	<AVE	7.81	43.25 )
	<CYL		- 0.00 0)
NT data	IOP (mmHg)		
	[R]	[L]	
	13	15	
	14	15	
	13	15	
	Avg.13.3	15.0	
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	NIDEK	RKT-7700	

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



Printed on environment-friendly recycled paper.

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