



# Σingle LTL

Auto Ref-Keratometer



Your Thoughts, Your Feelings, Your Mind is SINGLE LTL

## Easy to use

Wide 7 inch Touch-screen panel

Auto Ref-keratometer SINGLE LTL is equipped with a wide 7 inch color TFT LCD with touch-screen panel to use all the functions with ease.



When you touch the eye position **Automatically tracks** the eyes.

**Auto focus & Measured value display**

Select the function button

## Fully automatic measurement operation

The correct position of patient's eye is available to be found automatically by internal-software without operation of joystick. Further, SINGLE LTL is also available to align and measure automatically with touching of screen only.

## Tiltable LCD screen for 120 Degree

The LCD screen enables operator to measure in comfortable position even when the patient's eyelid needs to be opened by operator.



Where freedom anywhere in generously accurately.



## Suitable Chin-rest & Head-rest

SINGLE LTL provides the patients with the comfortable measuring environment by adopting Chin-rest and Head-rest with soft material of silicon rubber.



## External thermal printer

External thermal-printer equipped with auto loading & cutting can be connected with SINGLE LTL using RS-232C or wireless RFID. It can be also connected with other devices such as auto vision-tester, PC, auto lensmeter and so on.

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# Single LTL

Auto Ref-Keratometer

## Compact design

LTL Front view



LTL R-Side view



SINGLE LTL unite and printer

## Specifications

Refractometer	Sphere	-25.00 ~ +25.00D (VD 12mm) (0.01 / 0.12 / 0.25D Steps)
	Measurement	Cylinder 0 ~ ±10D (0.01 / 0.12 / 0.25D Steps)
	Axis	1 ~ 180° (1° Step)
	Required minimum pupil	2.0mm
Keratometer	Radius curvature	5.00 ~ 10.00mm (0.01mm Step)
	Measurement	Refractive power 67.50 ~ 33.75D (n=1.3375) (0.01 / 0.12 / 0.25D Steps)
		Astigmatism 0 ~ ±10D (0.01 / 0.12 / 0.25D Steps)
		Astigmatic axis 1 ~ 180° (1° Step)
	Peripheral measurement	6.0mm (r=7.8)
Size Measurement		0 ~ 12.7mm
Special Function	PK(Peripheral Keratometry) ILLUM(Retro-illumination) SIZE(Cornea / Pupil size)	
Target chart	Auto fog system with scenery chart / Auto fog system with dots chart (Optional)	
Display		Tilttable wide 7 inch TFT LCD
		Luminance 400cd/m <sup>2</sup>
		Resolution 800 X 480 Pixels
Printer	External thermal printer with auto loading & cutting	
Interface	RS-232C (RX/TX), D-sub(Video out), RFID(Optional)	
Dimension	458(W) X 210(D) X 405(H)	
Weight	Approx. 13kg	
Power supply	AC 100 - 240V 50/60Hz	
Power Consumption	55 ~ 85 VA	

\* Subject to change in design and / or specifications without advanced notice.

## Networking ability

It allows to connect with other devices such as auto vision-tester, auto lensmeter, PC as well as EMR/EHR protocol system.