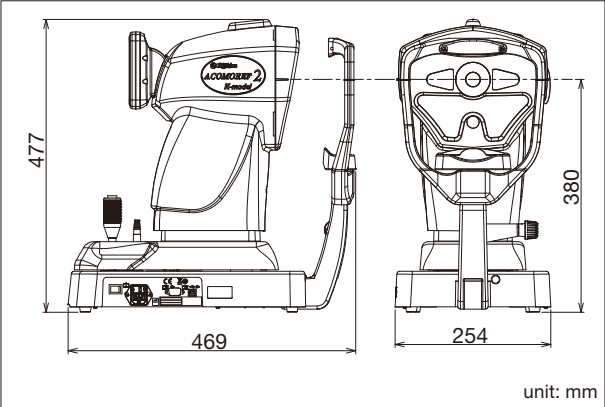


Dimensions

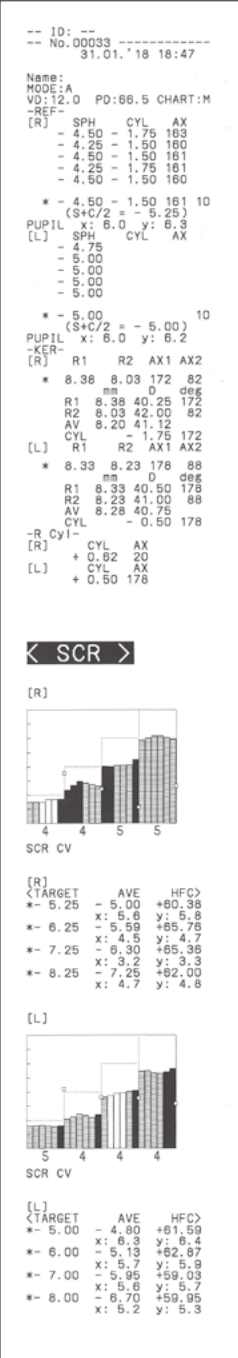


Setting Possibilities

- -5D stimulation
- AMF precise mode in 181 sec
- Change of threshold point in New Retro mode



Message imprint



Specifications

			ACOMOREF 2 K-model	ACOMOREF 2
Refractometry	Measurement range	Spherical (S+C)	-20D to +23D (VD = 12mm)	-20D to +23D (VD = 12mm)
		Cylinder	0D to ±12D	0D to ±12D
		Cylinder axis	0 to 180°	0 to 180°
	Minimum pupil size		ø2.3mm	ø2.3mm
Keratometry	Measurement range	Radius of curvature	5.00 to 11.00mm	—
		Corneal astigmatism	0D to ±12D	—
		Cylinder axis	0 to 180°	—
	Measurement range center of cornea		ø3.2mm (R8mm)	—
	Measurement range peripheral of cornea		ø6.8mm (R8mm)	—
Residual astigmatism measurement	Residual astigmatism range		0D to ±12D	—
	Residual astigmatism axis		0 to 180°	—
Accommodation test astigmatism measurement	SCR mode	Total stimulus amount	S or S+C/2 : 0 to -3D/5D 4Step/6Step	
		1 step stimulus amount	-1D	
		Measurement time	49s / 75s	
	AMF mode	Total stimulus amount	S or S+C/2 : +0.5 to -3D/5D 8Step/12Step	
		1 step stimulus amount	-0.5D	
		Measurement time	Precise mode: 181s Screening mode: 101s / 153s	
	ADD mode	Total stimulus amount	S or S+C/2 : 0 to -5D 11Step	
		1 step stimulus amount	-0.5D	
		Measurement time	73s	
Pupil distance measurement			1.0 to 83mm	
Pupil size measurement			2.0 to 12.0mm	
Cornea size measurement			0.0 to 16.0mm	
Fixation			Firework	
Chin rest movement range			45mm	
Dimension			254 (W) × 469 (D) × 477 (H) mm	
Weight			13kg	
Power supply			AC100 - 240V 50/60Hz	
Power consumption			40VA	
Monitor			5.7-inch color LCD touch panel (tilt 0 to 45°)	
Output			RS232C, USB, infrared communication	

WARNING:

To ensure correct usage, read all manuals carefully before using equipment

Specifications and equipment are subject to change without any notice or obligation on the part of the manufacturer. © 2018 RIGHT MFG. CO., LTD.
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ACOMOREF 2 Series

Auto Refractometer

ACOMOREF 2

Auto Refract-Keratometer

ACOMOREF 2
K-model



An auto refractometer series for a new era of refraction and accommodation testing.

In this era of a rapidly growing aging population and an abundance of LCD products such as smart device the patient's eye has been drastically changing no matter what their age is.

The new ACOMOREF 2 series was developed for high end optometrists and ophthalmologists who may have to treat patients suffering from unknown accommodation trouble, including early stage presbyopia. It can also promote the use of progressive lenses or anti fatigue lenses to cure patients' troubles.

For the perfect fitting glasses, it is necessary to correctly measure patient accommodation. Detect “asthenopia” visually, which is becoming popular.

Regular refraction (or Kerato) reading

The ACOMOREF 2 will give you an accurate reading by quicker and user friendly operation of the Speedy series as a regular Auto Refractometer and Keratometer in daily use. And yet improved accuracy by the light sensor area for reflected light is expanded by 10% so a more stable reading can be obtained.

- 45 degrees continuous tilting LCD monitor enables operator standing position.
- Unique fireworks chart shows meridian visible for even strong cylinder patients.
- Pupil diameter automatically measured during refraction.

- With the K-Model, residual astigmatism calculation for CYL contact lenses or CYL IOL is automatically conducted and the results are printed out.
- With the K-Model corneal size is also measured.

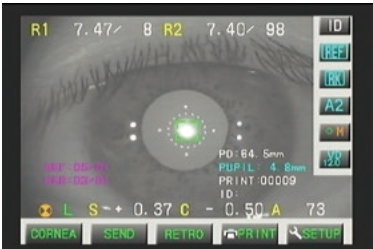
Retro Illumination

Opacity such as in cataracts can be detected. The circle shows the area of opacity and the line can be moved up or down to show the size of opacity.



Simple Software “i”-File (Option)

- With i-File, data can be managed and saved as simple files using Internet browser.
- Particularly convenient for searching and reviewing data as well as FK-map color printing.



Display for REF KER measuring



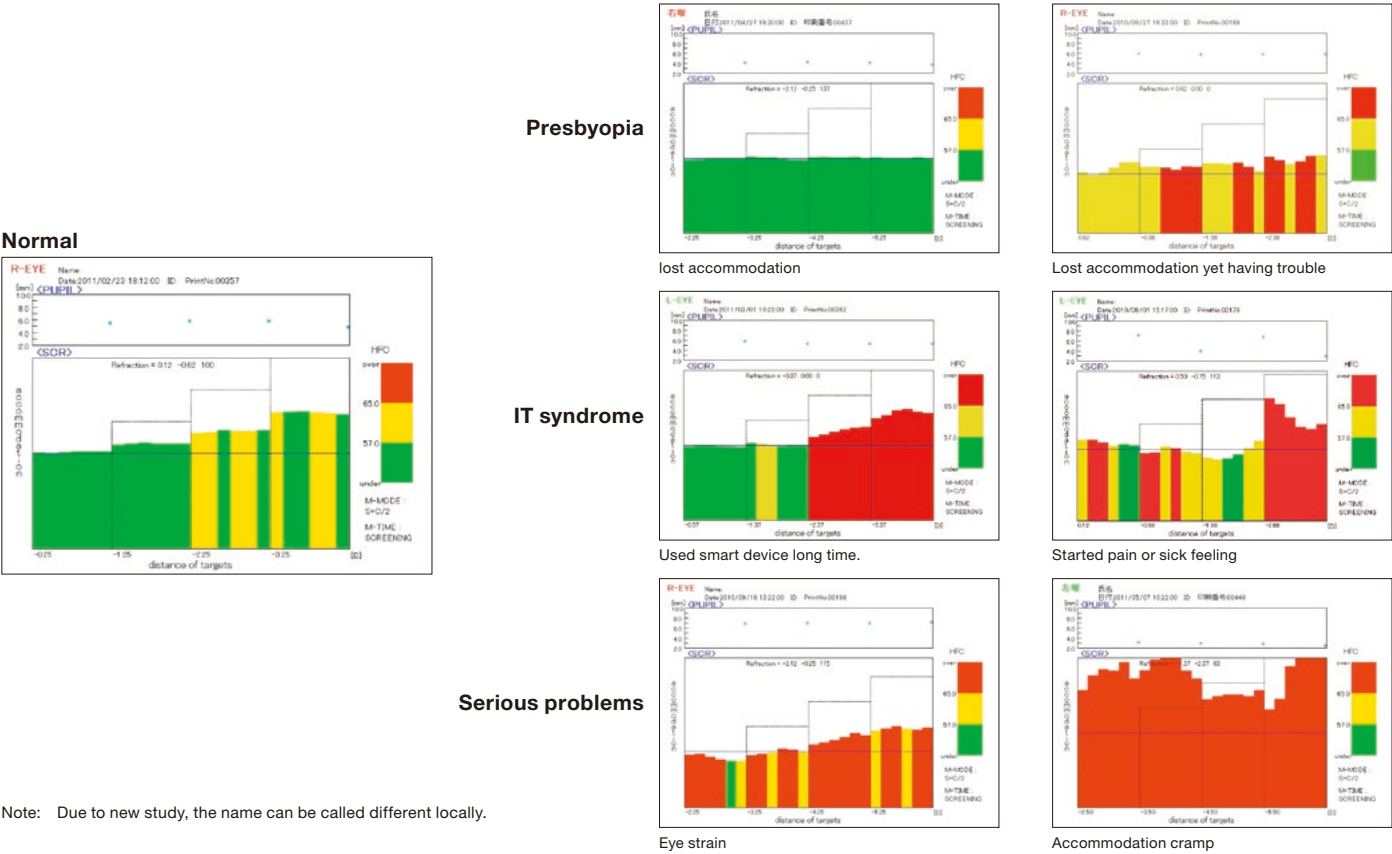
Fireworks chart

Accommodation test

Accommodation mode is now loaded as an auto refractometer feature. SCR TEST with 49 second per eye can be done. Result are shown as Spherical Equivalent. ADD is for a patient wearing progressive lenses for the first time. AMF is for study purposes.

Typical Graph sample

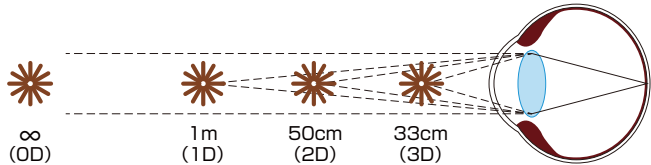
Patient accommodation status is easily shown by a graph on the monitor and can be printed out. With ACOMOREF 2 the graph on LCD can be shown more easily in a standing position.



Note: Due to new study, the name can be called different locally.

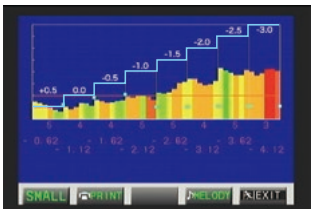
◆SCR mode

A fire work target is shown in 4 steps on the different distance of 0D, 1D, 2D and 3D. Stays 10 seconds each step for let the patient serious look so that catch Accommodation Fluctuation in each Diopter. Takes 49 seconds in total per eye. Note this is fastest as patient eye can not follow if faster.



◆AMF Mode

This is medical reference used for detailed inspection. As it will take more time not always suitable for daily diagnosis. One eye takes 101 seconds.

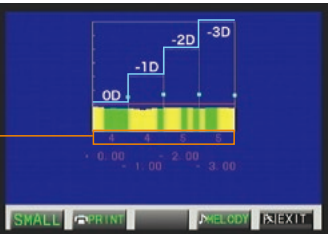


◆ADD Mode

This can check the first use of Progressive lens patients.



Post-measurement FK-map



Reliability Value

The system counts states when data cannot be acquired for more than 0.2 seconds in one step due to a visual fixation defect or the like, and displays a confidence value (CV) in 6 steps according to the frequency thereof. CV5 = 0 data acquisition failures, CV4 = 1 data acquisition failure, CV3 = 2 data acquisition failures, CV3 = 3 data acquisition failures, CV1 = 4 data acquisition failures, CV0 = 5 or more data acquisition failures