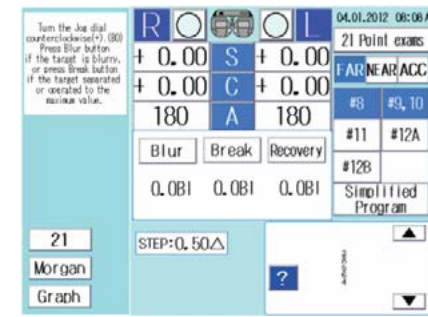


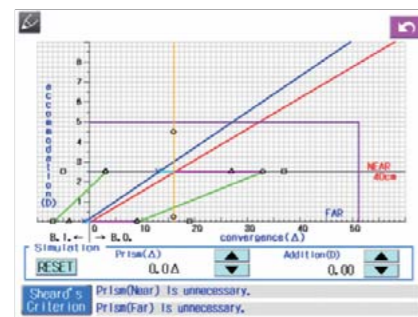
## 21-point eye examination

Righton's unique use of the 21-point, eye exam (#7 - #21) means it can generate an easy to understand visual performance graph.



## World's first

Wearable simulation with prism correction amount and ADD data is possible.



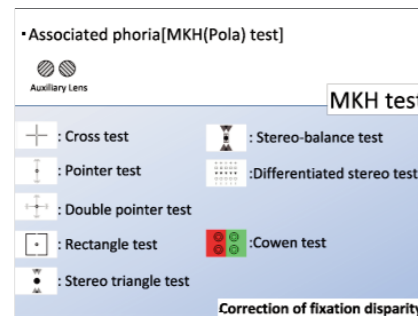
Visual performance graph

## "Speedy" program World's first



Righton's time-saving, original high-speed subjective ophthalmic test program using an EXC cross cylinder

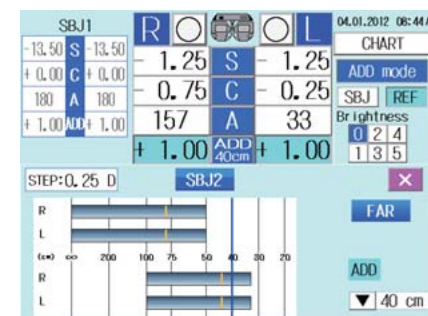
## MCH (formerly MKH) POLA-test



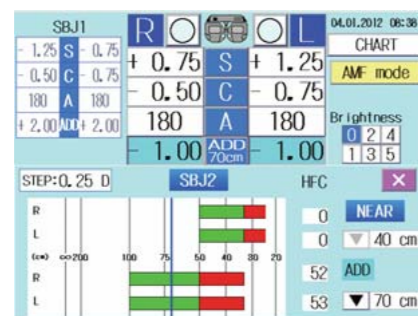
Binocular eye exam in ordinary conditions using polarizing charts; suitable for patients who have difficulty watching 3D images

## ADD power correction program World's first

By synchronizing with Speedy-i, the best suited prescription, or ADD power, can be easily generated by analyzing a patient's accommodation microfluctuation and range.

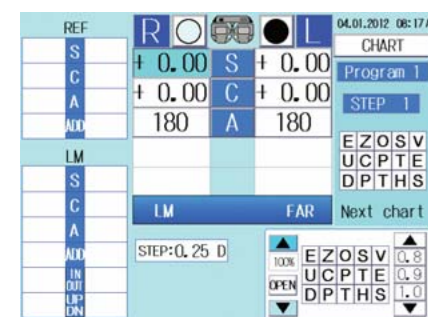


ADD mode



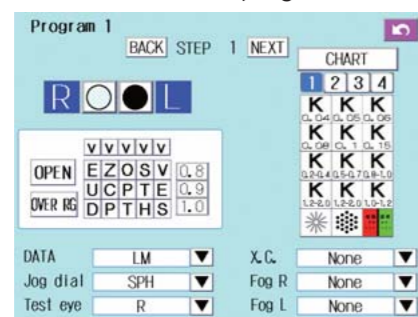
AMF (Accommodation Microfluctuation) mode

## Standard program Basic program



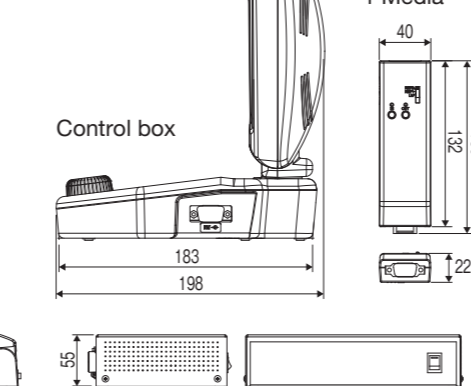
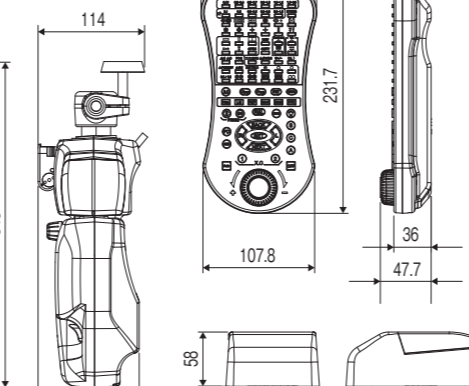
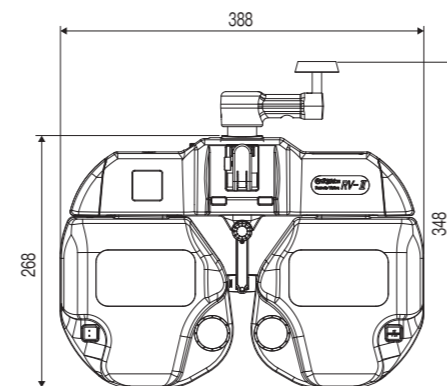
## Program customization

Examiner can edit or customize the standard and basic programs.



## Dimensions

Refractor main body



## Specifications

Remote Vision RV-II		
Power measurement	Spherical lens power	-34.50 - +32.00D 0.25D step (0.125D/0.25D/1D)
	Cylindrical power	-7 - +7D 0.25D step (0.25D/1D)
	Cylinder axis	0 - 180° 5 steps (1°/5°/45°)
	Prism power	0△ - 20△ 0.5△ step (0.25△/0.5△/1△)
Cross cylinder	Auto cross cylinder	±0.25D
	Jackson cross cylinder	±0.25D/±0.5D
Auxiliary lens	Left	Right
	Open	
	Occlude	
	Retinoscope lens +1.5/2.0D ADD cross cylinder ±0.5D	
PD range	Maddox (red): vertical	Maddox (red): horizontal
	Polaroid: 135°	Polaroid: 45°
	Polaroid: 45°	Polaroid: 135°
	Prism separation: 10△BI	Prism separation: 6△BU
	Prism separation: 3△BD	Prism separation: 3△BU
	Filter: green	Filter: red
	PD cross Pinhole φ 1.2mm FOG	
	46 - 80 mm (Right/Left) 0.5 mm step (0.1/0.5/1 mm)	

Data storage	Auto refractometer	Far/Add
	Lensmeter	Far/Add
	Plano (V.A.)	Far/Near
Program	Subjective	Far1/Near Add1/Add2
	Program	Program 1 (standard program) Program 2 (basic program) Speedy program Only with control box 21-point eye examination (steps #7 - #21) MCH Pola test ADD power correction program
Dimensions (W) x (D) x (H)	Refractor main body	388 x 110 x 268 mm 5 kg
	Power box	140 x 59 x 230.5 mm 1.1 kg
Weight	Control box	200 x 183 x 218 mm 2 kg
	Controller	111.7 x 47.7 x 231.7 mm 300 g
Input voltage	Printer	150 x 62 x 100 mm 600 g
	i-Media	139 x 22 x 40 mm 100 g
Power consumption	AC 100V-240V, 50/60 Hz	80VA



**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. © 2013 RIGHT MFG. CO., LTD. The information in this brochure is correct as of September 2013.

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Printed in Japan (1309-03)T1



# Refractor Remote Vision RV-II



Made in JAPAN

# Righton's unique face-to-face, high-precision and reliable selective refractor system

- High-precision lenses and wider measuring range (-32D to +33D)
- Hand-held remote control unit and main body with crystal clear LED display
- Wide space between lens chambers allows easier view of patient's face
- Easy-to-recognize auxiliary lens indicator
- Ideal 36° field of view allows patient's eye point to be fixed with less accommodation
- Main body is 24% smaller than conventional model
- 16% faster lens changing time and 26% faster initialization than conventional models
- Selectable refractor head (with or without LED)
- Table control unit is also available (can be used in combination with hand-held remote control unit)

Hand-held wireless remote control unit enables control of RV-II from 8 meters away, allowing operator to point directly to chart contents.

## Hand-held wireless remote control allows freedom of use

Remote control unit offers individual keys for control of both refractor and charts. Using chart keys enables direct control of chart indicators.

- Standard program
- Basic program
- "Speedy" Program (time-saving program)

## Various data storage options

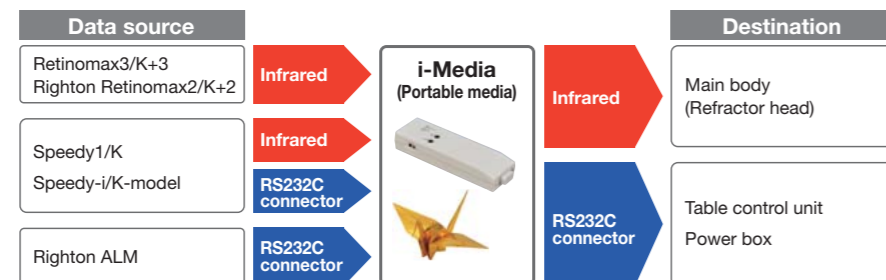
Auto Refractometer	Far, Add (Speedy-i measurement data)	<b>World's first</b>
Lensmeter	Far, Add	
Plano (V.A.)	Far, Near	
Subjective	Far 1, ADD 1 Far 2, ADD 2	Near 1, ADD 1 Near 2, ADD 2

## Near-point illumination with 5-step light intensity control



## Data transfer by i-Media (option) **New**

Barrier FREE data communication by utilizing Infrared and RS232C ports. i-Media is capable of communicating with most of the Righton's conventional devices.



## Refractor (with LED)



## Touch type table control unit



Can be used with both types of refractor or in combination with hand-held remote control unit

- 21-point eye examination
- MCH (Pola) test
- ADD power correction program

## Refractor (without LED)



## Printer

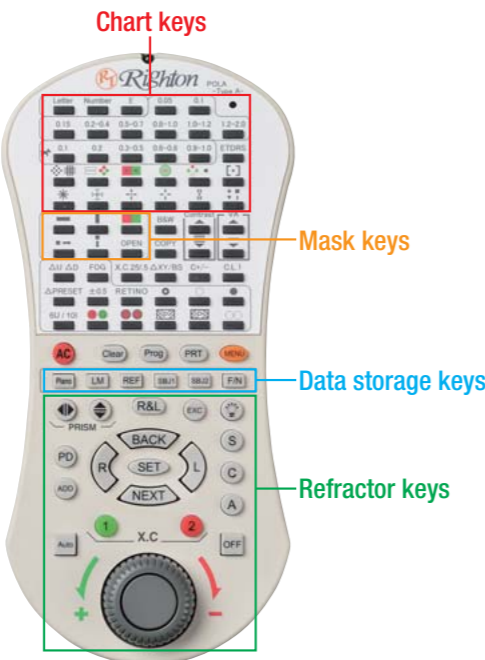
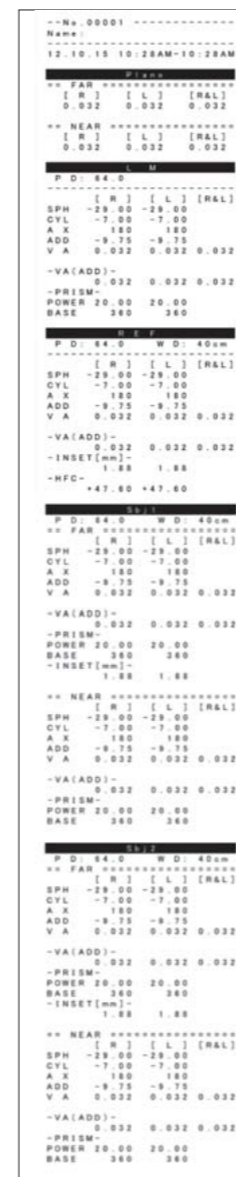
Compact and easy-to-use printer separate from power box

## Space-saving compact power box

Power box is 40% smaller than the conventional model and has a power consumption of only 80VA.



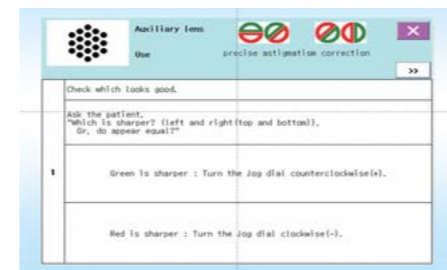
## Print sample



Keys and functions are the same on the hand-held remote control unit

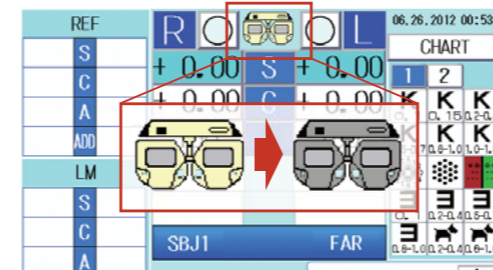
## New functions available for the table control unit

### Help functions



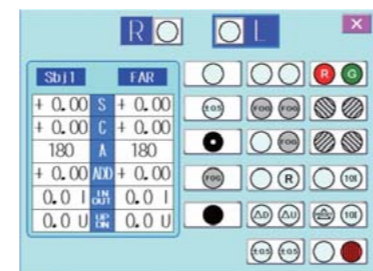
Displays explanations of each chart and auxiliary lens, Q&A and examination methods in order to provide advice for ophthalmic examinations. (Available languages: English, Italian, German, Japanese)

### Forehead detector



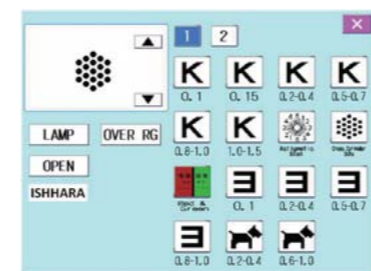
Automatically detects and alerts when forehead is removed from refractor.

### Auxiliary lens control display



Displays all auxiliary lenses to help speedy selection and changeover of lenses.

### Chart key display



The chart key enlarges displays and indicates functions.

# Flexible combinations to suit all needs, budgets and locations

Variations of the RV-II system can be made using a combination of refractor (with/without LED), remote control unit, table control unit and printer depending on needs, budget and installation location.

**1** Refractor (with LED)  
Compact power box  
Hand-held remote control unit  
Printer

**2** Refractor (without LED)  
Compact power box  
Table control unit  
Printer

**3** Refractor (with LED)  
Compact power box  
Table control unit  
Printer

**4** Refractor (with LED)  
Compact power box  
Hand-held remote control unit  
Table control unit  
Printer

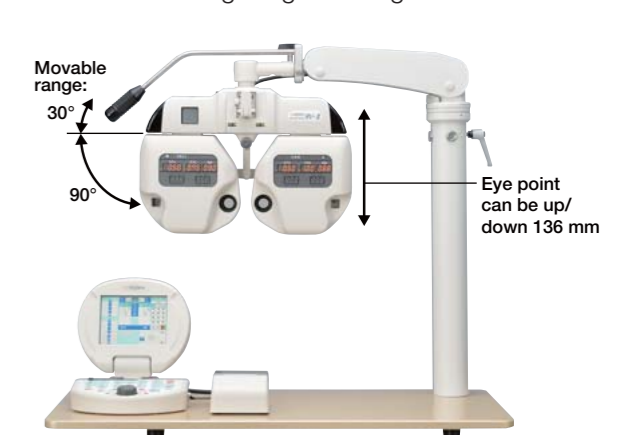
## Special table top (option)

Budget and space-saving solution  
Can be used with the refractor on a regular power table.



## Installation sample

Table size: 300 (W) x 540 (D) mm or larger  
Maximum loading weight: 5.5 kg



## Installation on general refractor unit



## RV-II communication method

- All Righton Speedy series
- Retinomax 3 series
- RV-II remote control unit (including combined remote control units with Righton LCD and chart projector)
- Table control unit
- Printer (with connectors for remote control unit and table control unit)
- Righton auto lensmeter

