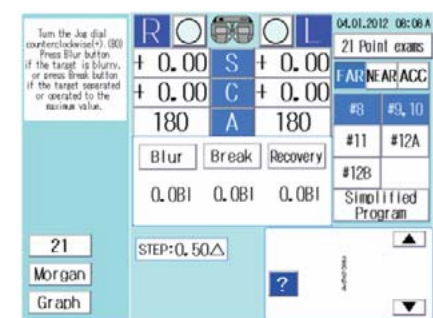
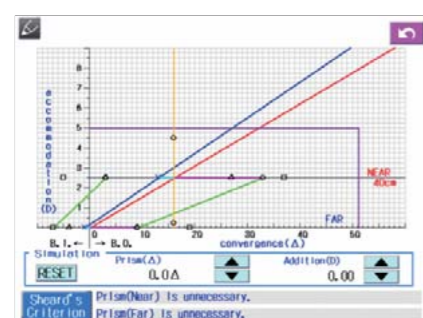


21-point eye examination

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.



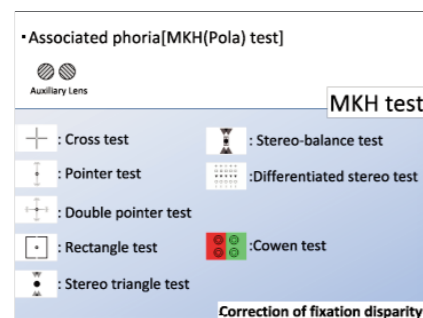
Visual performance graph

"Speedy" program World's first



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

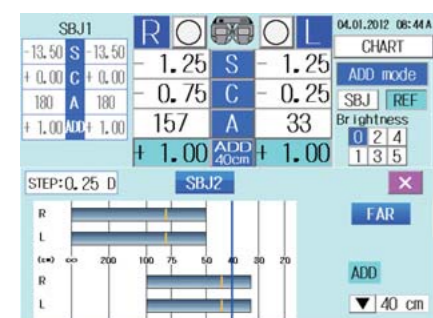
MCH (formerly MKH) POLA-test



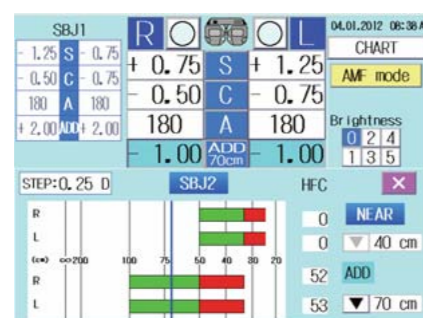
Binocular eye exam in ordinary conditions using polarizing charts; suitable for patients who have difficulty watching 3D images

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.

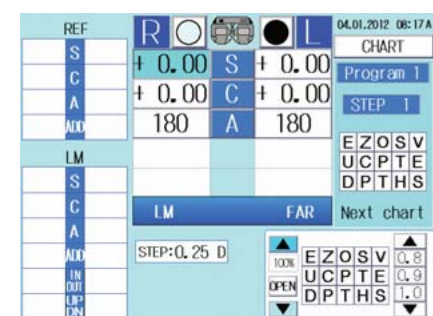


ADD mode



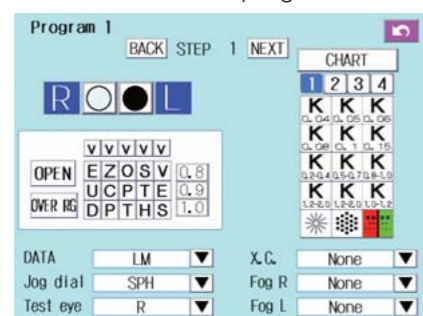
AMF (Accommodation Microfluctuation) mode

Standard program Basic program



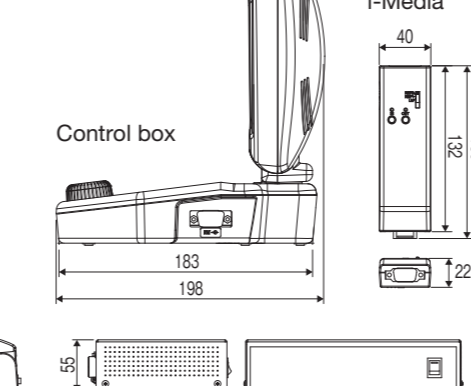
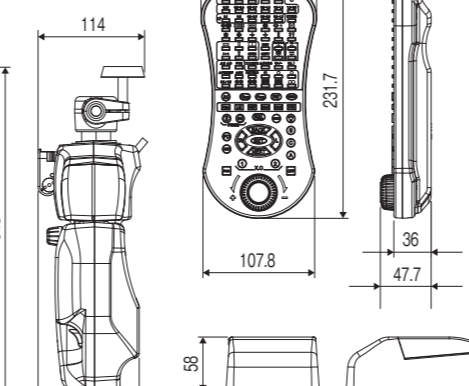
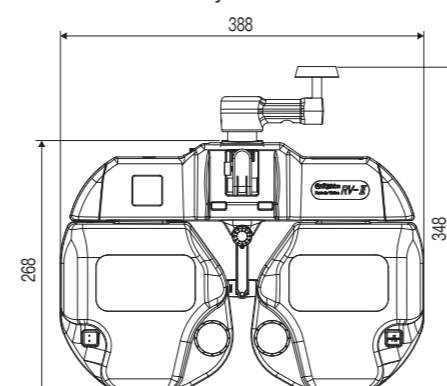
Program customization

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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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

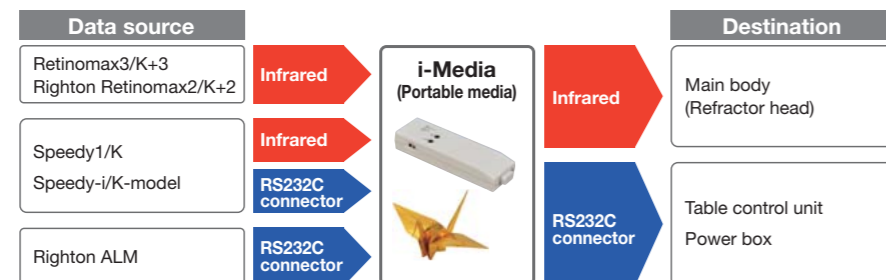
Auto Refractometer	Far, Add (Speedy-i measurement data)	World's first
Lensmeter	Far, Add	
Plano (V.A.)	Far, Near	
Subjective	Far 1, ADD 1 Far 2, ADD 2	Near 1, ADD 1 Near 2, ADD 2

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

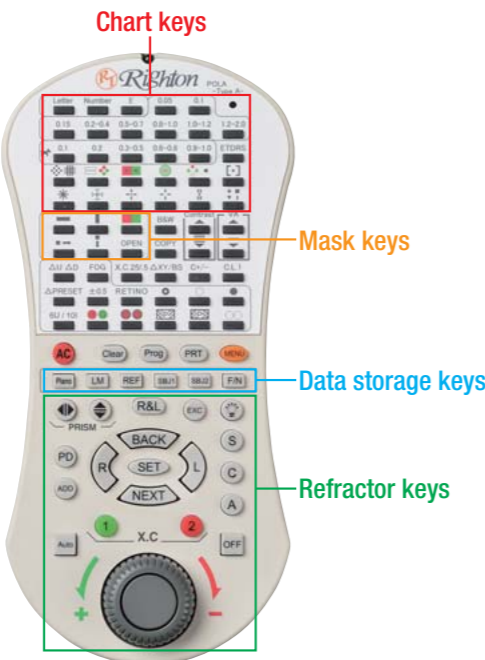
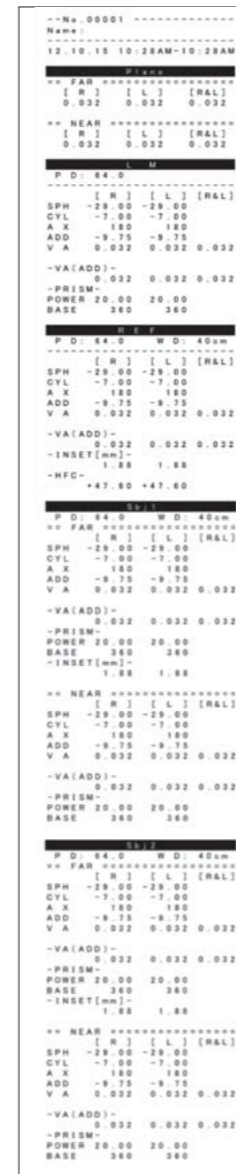
Compact and easy-to-use printer separate from power box

Space-saving compact power box

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



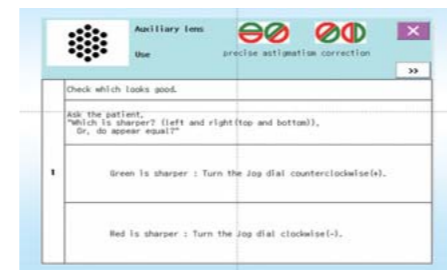
Print sample



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

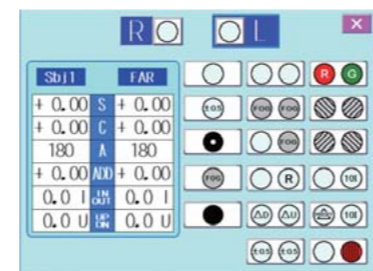
New functions available for the table control unit

Help functions



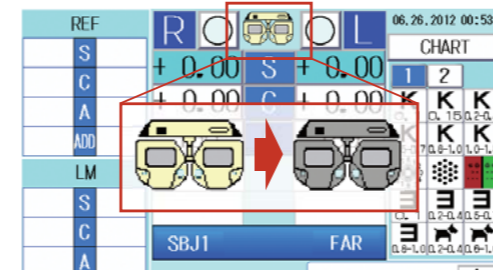
Displays explanations of each chart and auxiliary lens, Q&A and examination methods in order to provide advice for ophthalmic examinations. (Available languages: English, Italian, German, Japanese)

Auxiliary lens control display



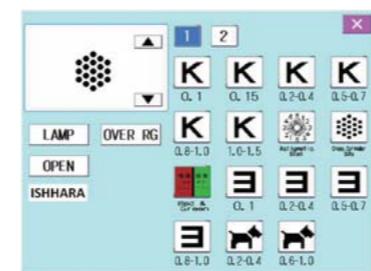
Displays all auxiliary lenses to help speedy selection and changeover of lenses.

Forehead detector



Automatically detects and alerts when forehead is removed from refractor.

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

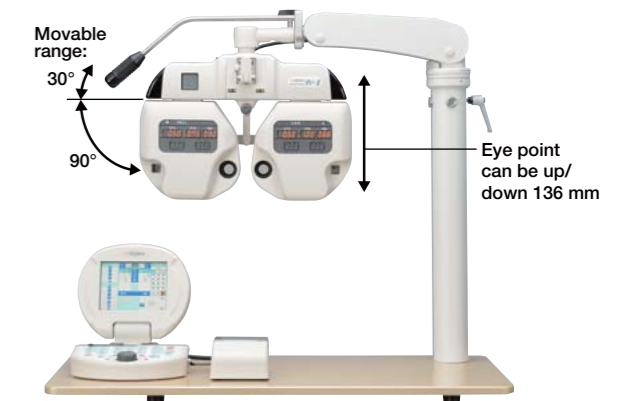
Special table top (option)

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

