Righton

Auto Refract-Keratometer

Speedy-K2

Simple and stable with quick measurement

Speedy-K2

Righton original retinoscopy measurement principle achieves extremely fast auto REF/KER measurement

ACV

ACV(Asymmetric Coefficient Value) is numerical value to show stability of measurement light. ACV 0 is most stable, larger value need to take caution. To reject unstable measured values caused by obstruction against measuring light such as eyelid, eyelashes, opacity and etc,ACV is useful as a guideline during REF measurement.

Auto2 measurement mode

In addition to normal fogging, more precise fogging method is possible by manually selecting A2 or preset under Setting menu to automatically activate under specific condition. This kind of fogging is useful for reading the eyes of patients with unstable eyes, instrumental myopia or others.

Auto Pupil center mode

If ectopia pupillae or small pupil is detected, it will automatically activate pupil center mode to assist taking stable REF measurement.

Righton original unique fixation system

The light intensity can be changed with 3 steps.
The unique fireworks picture chart enables astigmatism patients to focus on any of the meridian lines so that the patient can follow the picture.

Retro illumination mode

When measurement is unstable, opaque media such as cataracts can be detected using the monitor.

Pupil size measurement

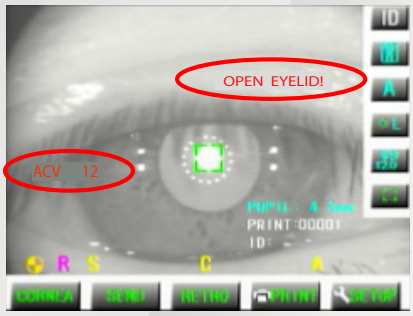
Pupil size can be measured during a refraction reading to allow for differences in eye pigmentation.

LCD with 45-degree tilt for free measurement posture

LCD touch monitor can be tilted (0-45 degrees) allowing the examiner to conduct measurements from a standing or seated position.

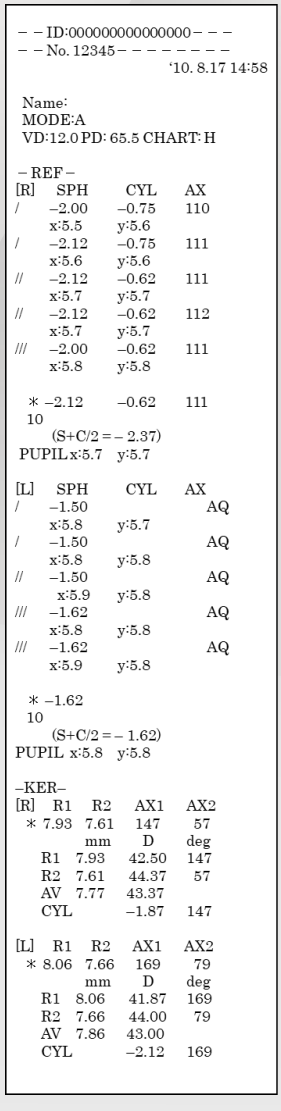
"OPEN EYELID" detection

Automatically detect obstruction at pupil area like eyelid or eyelashes during measurement.



Specification

Refractometry	
Measurement range	SPH: -20D to +23D (VD=12 mm) (AUTO/0.12D/0.25D steps)
	CYL: 0D to ±12D (0.12D/0.25D steps)
	Axis: 0 to 180° (1° increments)
Minumum pupil diameter	ø2.3 mm
Vertex distance	0 and 12, 13.5, 13.75, 15 or 16 mm
PD measurement	1 to 83 mm
Fixation chart	Firework & Road: high/mid/low intensity
Pupil size reading range	2.0 to 12.0 mm
Keratometry	
Measurement range	Radius curvature: 5.00 to 11.00 mm
	Coaneal astigmatism: 0.00D to 12.00D
	Axis: 0 to 180°
Measurement area	Center: ø3.2 mm (R8.0 mm)
	Peripheral: 25° ø6.8 mm (R8 mm)
Coaneal size measurement range	0 to 16.0 mm
Station	
Data storage	50 persons (100 eyes)
Display	5.7-inch color LCD touch panel (tilt 0 to 45°)
Interface	US232C, USB, IR
Dimensions	254(W) x 469(D) x 447(H) mm
Weight	13 kg
Power supply	AC100 - 240V 50/60Hz
Power consumption	40VA



```
– – ID:000000000000000 – – –
– – No. 12345 – – – – – – – –
                    '10. 8.17 14:58

Name:
MODE:A
VD:12.0 PD: 65.5 CHART: H

– REF –
[R]   SPH      CYL     AX
/     –2.00    –0.75   110
      x:5.5    y:5.6
/     –2.12    –0.75   111
      x:5.6    y:5.6
//    –2.12    –0.62   111
      x:5.7    y:5.7
//    –2.12    –0.62   112
      x:5.7    y:5.7
///   –2.00    –0.62   111
      x:5.8    y:5.8

 * –2.12      –0.62   111
 10
     (S+C/2 = – 2.37)
PUPIL x:5.7   y:5.7

[L]   SPH      CYL     AX
/     –1.50            AQ
      x:5.8    y:5.7
/     –1.50            AQ
      x:5.8    y:5.8
//    –1.50            AQ
      x:5.9    y:5.8
///   –1.62            AQ
      x:5.8    y:5.8
///   –1.62            AQ
      x:5.9    y:5.8

 * –1.62
 10
     (S+C/2 = – 1.62)
PUPIL x:5.8   y:5.8

–KER–
[R]   R1    R2    AX1   AX2
 * 7.93  7.61  147   57
          mm    D     deg
   R1    7.93  42.50 147
   R2    7.61  44.37 57
   AV    7.77  43.37
   CYL         –1.87 147

[L]   R1    R2    AX1   AX2
 * 8.06  7.66  169   79
          mm    D     deg
   R1    8.06  41.87 169
   R2    7.66  44.00 79
   AV    7.86  43.00
   CYL         –2.12 169
```

```
–KER (PERI)–
[R]
          mm      D
   H      8.00    42.12
   V      8.00    42.12

(25° )
          mm      D
   T      7.99    42.12
   N      8.01    42.12
   S      8.01    42.12
   I      8.01    42.12

   E(H )          –0.190
   E(V )          –0.190
   E(AV) –0.190

[L]
          mm      D
   H      8.00    42.12
   V      8.00    42.12
(25° )
          mm      D
   T      7.99    42.12
   N      8.01    42.12
   S      8.01    42.12
   I      8.01    42.12

   E(H )–0.190
   E(H )–0.190
   E(AV)–0.190

–R cyl–
[R]              CYL
   AX
          +1.75   156

[L]              CYL
   AX
          +2.00   169

SPEEDY-K2
```

Warning: to ensure correct usage, read all manuals carefully before use.
Specifications and equipment are subject to change without notice or obligation on the part of manufacturer.

RIGHT MFG. CO., LTD.
Ophthalmic Sales
1-47-3, Maenocho, Itabashi-ku, Tokyo, 174-8633 Japan.
Tel +81-3-3960-2275 Fax +81-3-3960-2285
E-mail: eigyousitsu@rightmfg.co.jp

TOHOKU RIGHT MFG. CO., LTD.
Ophthalmic Service
45-1, Aza Yashikimae, Nakamura Osatocho Kurokawa-gun, Miyagi, 981-3521 Japan.
Tel +81-22-359-3113 Fax +81-22-359-3213