Rexxam

Quality in vision care

WAM-5500

BINOCULAR ACCOMMODATION AUTO REF/KERATOMETER

Proudly Made in Japan

About Us

Rex + Max = Rexxam

Rexxam, which means 'the king of the kings', is a respected and reliable brand.

Rexxam is a Japanese company with a celebrated 60 year history. With over 3,000 employees worldwide, Rexxam manufacture a wide range of products for various industries; from factory automation, automobiles and air conditioning systems, to beer and ski boots.

Since 1986, Rexxam has manufactured various high quality products for leading brands in the eye care industry, including SHIN-NIPPON. Rexxam had developed and manufactured products for SHIN-NIPPON since 1993 and in 2014 the company took over the SHIN-NIPPON brand.

We will be bringing high quality ophthalmic equipment to a global market. By combining precision engineering with industry leading innovation and experience in mass production, Rexxam produce unique products to support eye care specialists across the world.

Quality in vision care, we are Rexxam.

1960
Foundation of Rexxam

1986
Rexxam started the development and manufacturing of ophthalmic devices as an OEM supplier

1993
Rexxam became the main OEM partner for SHIN-NIPPON
SHIN-NIPPON

2014
Rexxam acquired the SHIN-NIPPON brand
SHIN-NIPPON by Rexxam

2018
The manufacturer brand Rexxam was inaugurated
Rexxam

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WAM 5500 Unique concept of Binocular vision

Rexxam's WAM-5500 is a unique Refraction-Keratometer that allows the patient to keep natural binocular vision during measurement.

This binocular vision helps the patient to eliminate possible instrument accommodation and provides accurate refraction examination.

WAM 5500 is also equipped with the function that enables the measurement of far and near distances refractive power as well as the measurement of pupil diameter simultaneously.

WAM-5500 features

The WAM-5500 offers the following advantages for eye care professionals:

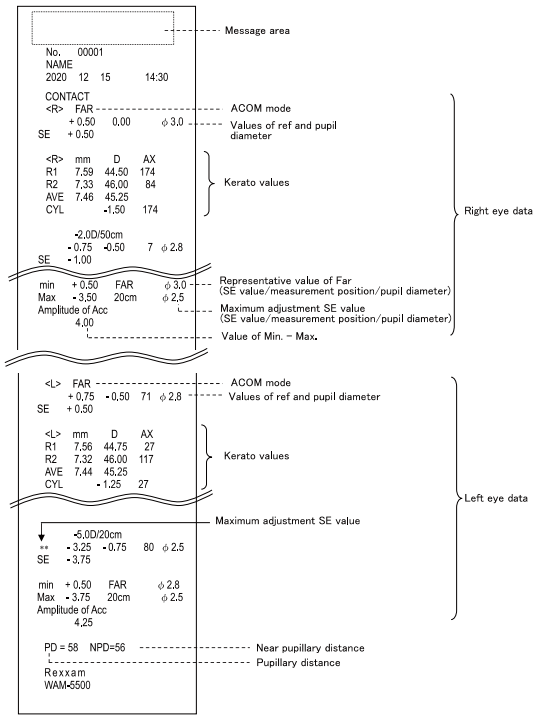
- Minimising cyclotorsion effect.
- Natural binocular vision.
- Facilitating measurement for very young patients.
- Measuring actual accommodation by using near point chart.

Accommodation mode

The pupil diameter can be measured simultaneously with the refraction value. This allows the user to measure miosis/mydriasis that occurs together with accommodation, allowing you to accurately determine whether accommodation is actually occurring. In addition, by selecting the mode and adjusting the near point target to that distance, the ideal refractive power at 50, 40, 33, 25, and 20 cm will also be displayed for easy comparison.

〈Printout sample〉

ACOM mode: ON and PRINT FORM: ECONO



High speed mode

By connecting to a computer, it is possible to continuously measure the Spherical Equivalent (SE) value and pupil diameter at 0.2 second intervals. You can check the accommodation response dynamically.

WAM5500	DATA-0001	2024/1/1	10:53:58	
0	R	-3.0D/33cm	-1.35	3.5
0.18	R	-3.0D/33cm	-1.2	3.3
0.37	R	-3.0D/33cm	-1.16	3.4
0.57	R	-3.0D/33cm	-1.16	3.4
0.78	R	-3.0D/33cm	-1.12	3.2
0.96	R	-3.0D/33cm	-1.08	3.2
1.17	R	-3.0D/33cm	-0.85	3.1
1.37	R	-3.0D/33cm	-0.77	3.1
1.56	R	-3.0D/33cm	-0.72	3.2
1.76	R	-3.0D/33cm	-0.74	3.2
1.95	R	-3.0D/33cm	-0.73	3.2
2.15	R	-3.0D/33cm	-0.72	3.3
2.35	R	-3.0D/33cm	-0.7	3.4

WAM-5500 Specifications

Product page

Refractive Measurement Range (Ref Measurement)	Sphere (S)	Measurement Range	-22D ~ +22D (VD=0)
		Step	0.01D, 0.12D, 0.25D (Selectable)
	Cylinder (C)	Measurement Range	0D ~ ±10D (VD=0)
		Step	0.01D, 0.12D, 0.25D (Selectable)
		Symbol	- , + , ± (Selectable)
	Axis (A)	Measurement Range	0° ~ 180°
		Step	1°
	Vertex Distance		0 , 10 , 12 , 13.5 , 15 mm
	Minimum Pupil Diameter Measurable		Φ2.3 mm
Corneal Curvature Radius Measurement	Corneal Curvature Radius	Measurement Range	5.0 mm~ 10.0 mm
		Step	0.01 mm
	Corneal Refractivity	Measurement Range	33.75D ~ 67.5D (where corneal refractive index n = 1.3375)
		Step	0.01D , 0.12D , 0.25D (Selectable)
	Degree Of Corneal Astigmatism	Measurement Range	0D ~ ±9D
		Step	0.01D , 0.12D , 0.25D (Selectable)
		Symbol	mm , -D , +D (Selectable)
	Axis Angle	Measurement Range	0° ~ 180°
		Step	1°
Pupil Diameter Measurement	Measurement Range		Φ2.0 ~ 8.0mm
	Step		0.1mm
PD Measurement	Measurement Range		85mm
	Step		1mm
Measurement Time	Pupil Deiameter		approx. 0.04 second
	Refractive Measurement Range		approx. 0.07 second
	Corneal Curvature Radius Measurement		approx. 0.07 second
	Continuous Measurement		approx. 2.2 second
Monitor	5.7 inch color LCD monitor		
Printer	Thermal line printer		
Power	Power Voltage	AC 100 - 240 V , 50/60Hz	
	Power Consumption	80VA	
	Sleep Mode	OFF , 3 , 5 , 10 min (selectable)	
Data Output	RS-232C interface		
Size	Weight	approx. 20kg	
	Dimensions	327mm(W) × 496mm(D) × 515mm(H)	
Movement Range of The Measurement Unit	Forward - Backward : ±17mm Right - Left : ±43mm Up - Down : ±15mm		
Movement Range of The Chin Rest	Up - Down : ±30mm		

Included Items

- Model Eye
- Printer Roll Paper
- Chin Rest Paper
- Chin Rest Paper Pin
- Spare Fuse
- Dust Cover
- Dust Cloth
- Fixation Target
- Fogging Lens
- Occluder
- Near Point Target Unit

Design and specifications are subject to change without prior notice.

Manufacturer

Rexxam
Quality in vision care

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