

Autorefract-Keratometer Series

Rexxam Accuref

- Cool Design - User Friendly - Modern Technology



Rexxam

Quality in vision care

Proudly  Made in Japan



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Rexxam “Accuref” Series

Autorefractometer R-800 & Autorefract-Keratometer K-900



New Generation DESIGN & STYLE

Exquisite detail and quality.

- Sophisticated shape combined with soft curves and the attractive color with high quality two-tone metallic and pearlescent paintwork which complements any interior and appeals atmosphere of trust to the customer.

Newly designed optical unit with further improved accuracy

The newly designed optical unit allows measurement of the minimum pupil diameter up to 2.0 mm and high-accuracy measurement. Useful function for actual measurement such as display of reliability warning indicator has been added.

Feather-touch sensor button

The feather-touch sensor button used to interface with the screen enables sensitive and accurate operation.



New Joystick

The completely redesigned joystick with the shape and top button allows the operator to control the unit with more precise and instinctive movement.



Improved side flaps, head rest and chin rest

Side flaps mounted to each side of the measurement window enabling to block out the light realizes high accuracy. The modified shapes of the forehead rest and the chin rest help to minimize stress of the patient.





Unique flexible display

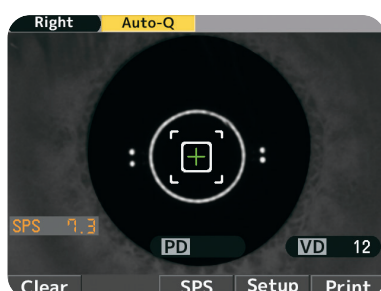
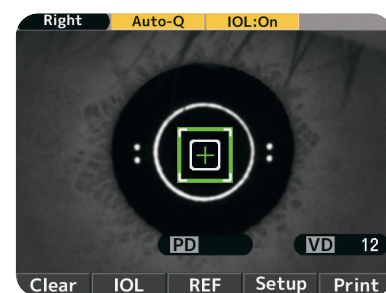
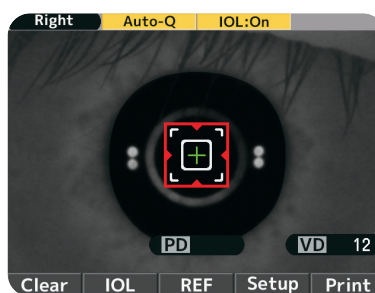
A swivel function to the left (30°) and a vertical tilt function (40°) have been added to the monitor unit. This swivel function allows measurement while supporting the patient.

The printout provides all information at a glance

	Message Area
No. 00001	Date & Time 2011 11 22 14:30
VD=12	Photopic Pupil Diameter
IOL-Mark	Representative Ref Value
Reliability	Kerato Value
Warning Indicator	Representative Kerato Value
Scotopic Pupil Diameter	interpupillary distance measurement
Residual Astigmatism	
Near PD	
Far PD	

Newly designed IOL Mode with color focus indicator

A subject with IOL was conventionally difficult to measure. This newly designed IOL mode has made it much easier. The coloured focus marks prove to be extremely helpful here. Once focus is achieved, the indicator changes from red to green.



Scotopic & Photopic Pupil Measurement

Both scotopic and photopic diameter measurements are available. (left-hand image: Scotopic Pupil Size function, right-hand image: Photopic Pupil Size function)

Specifications Accuref R-800 and Accuref K-900

Measuring ranges

Sphere (S)	-30 D ~ +22 D (VD=12) -22 D ~ +30 D (VD=0)
Steps	0.12 D, 0.25 D (switching)
Cylinder (C)	-10 D ~ +10 D (VD=0)
Steps	0.12 D, 0.25 D (switching)
Symbol	-, +, ±
Axis (A)	0° ~ 180°
Steps	1°
Vertex Distance	0, 10, 12, 13.5, 15 mm
Minimum Pupil Measurable	Ø 2 mm
PD Measurement	85 mm (Near PD Output)
Steps	1 mm
Pupil Diameter	Ø 2.0 ~ Ø 8.5 mm
Steps	0.1 mm

Keratometer measuring ranges (Accuref K-900 only)

Corneal curvature	
Radius Measurement	5.0 mm ~ 10.0 mm
Steps	0.01 mm
Corneal Refractivity	33.75 D ~ 67.5 D (where corneal refractive index n=1.3375)
Steps	0.12 D, 0.25 D (switching)
Degree of Corneal Astigmatism	-10 D ~ +10 D
Steps	0.12 D, 0.25 D (switching)
Symbol	mm, -D, +D (Switching)
Axis	0° ~ 180°
Steps	1°
Corneal Curvature Measurement Time	Approx. 0.07 sec.

Further details

Refractive Measurement Time	Approx. 0.07 sec.
Fog Control	Auto (Fogging for each measurement) Auto-Quick (Fogging is provided at the first measurement followed by continuous measurement)
Display	5.7 inch color LCD monitor
Printer	Built-in Thermal Line Printer (57 mm)
Power Consumption	60 VA
Power Saving Function	OFF, 3, 5, 10 min (selectable)
Dimensions (W/D/H)	240 x 422 x 430 mm
Weight	Approx. 13 kg

