Auto Ref-Keratometer/Refractometer

# ACCUREF K-900/R-800

## SPECIFICATIONS

| | | | K-900 | R-800 |
|---|---|---|---|---|
| Refractive measurement range (Ref measurement) | Sphere (S) | Measurement range | -30D～+22D(VD=12)<br>-22D～+30D(VD=0) | -30D～+22D(VD=12)<br>-22D～+30D(VD=0) |
| | | Unit | 0.12D, 0.25D (Switching) | 0.12D, 0.25D (Switching) |
| | Cylinder (C) | Measurement range | 0D～±10D(VD=0) | 0D～±10D(VD=0) |
| | | Unit | 0.12D, 0.25D (Switching) | 0.12D, 0.25D (Switching) |
| | | symbol | -, +, ± (Switching) | -, +, ± (Switching) |
| | Axis (A) | Measurement range | 0°～180° | 0°～180° |
| | | Unit | 1° | 1° |
| | Vertex distance | | 0, 10, 12, 13.5, 15mm | 0, 10, 12, 13.5, 15mm |
| | Minimum pupil diameter measurable | | φ2.0mm | φ2.0mm |
| Corneal curvature radius measurement | Corneal curvature radius | Measurement range | 5.0mm～10.0mm | — |
| | | Unit | 0.01mm | — |
| | Corneal refractivity | Measurement range | 33.75D～67.5D (where corneal refractive index n=1.3375) | — |
| | | Unit | 0.12D, 0.25D (Switching) | — |
| | Degree of corneal astigmatism | Measurement range | 0D～±10D | — |
| | | Unit | 0.12D, 0.25D (Switching) | — |
| | | symbol | mm, -D, +D (Switching) | — |
| | Axis angle | Measurement range | 0°～180° | — |
| | | Unit | 1° | — |
| PD measurement | Measurement range | | 85mm(Near PD output) | 85mm(Near PD output) |
| | Unit | | 1mm | 1mm |
| Pupil diameter measurement | Measurement range | | φ2.0mm～φ8.5mm | φ2.0mm～φ8.5mm |
| | Unit | | 0.1mm | 0.1mm |
| Measurement time | Refractive measurement range | | Approx. 0.07sec. | Approx. 0.07sec. |
| | Corneal curvature radius measurement | | Approx. 0.07sec. | — |
| Fog control | Fogging for each measurement(Auto)<br>Fogging is provided at the first measurement followed by continuous measurement(Auto-Quick) | | | |

## MECHANICAL SPECIFICATIONS

| | |
|---|---|
| Size | (W) 240mm<br>(D) 422mm<br>(H) 430mm |
| Movement range of the measurement unit | Forward/backward ±22mm<br>Horizontal direction ±43mm<br>Vertical direction ±17mm |
| Movement range of the chin rest | vertical ±30mm |
| Movement range of LCD | +30°swivel (left only),<br>+40°tilt |
| Weight | approx. 13kg |

※ Common to K-900/R-800

## ELECTRICAL SPECIFICATIONS

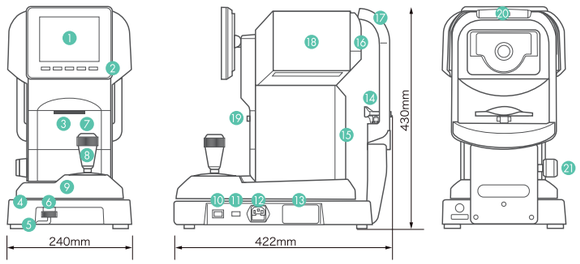
| | |
|---|---|
| Built-in monitor body | 5.7 inch color LCD monitor |
| Printer | thermal line printer<br>(paper width 58mm) |
| Power voltage/ frequency | AC100V-240V, 50/60Hz |
| Power consumption | 60VA |
| Power saving function | OFF, 3, 5, 10min. (selectable) |

※ Common to K-900/R-800

## K-900／R-800 Standard Accessories

- Operation Manual
- Power cord
- Printer paper
- Fuse
- Dust cover
- Model eye
- Chin rest paper
- Chin rest paper pin

## External diagram (to scale) and Part Identification




1. LCD monitor
2. Touch sensor panel
3. Printer cover
4. Base
5. Rubber feet
6. Main unit sliding lock knob
7. Measurement start switch
8. Joystick
9. Sliding base cover
10. Power switch
11. RS-232C connector
12. Power plug connector
13. Rating plate
14. Chin rest
15. Body cover
16. Face panel
17. Head rest
18. Head cover
19. Printer cover open/close button
20. Rubber head rest
21. Chin rest knob

Manufacturer

Rexxam

Rexxam Co.,Ltd.

Kagawa factory
958, Ikeuchi, Konan-cho,
Takamatsu, Kagawa 761-1494, Japan

Design and specifications are subject to change without notice.

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The Contribution to Health
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GOOD DESIGN AWARD 2011

Auto Ref-Keratometer ACCUREF K-900

Cool design & User friendly!
This is new "SHIN-NIPPON" standard.

Auto Ref-Keratometer/Refractometer

# ACCUREF

## K-900/R-800

Official Distributor

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ΟΦΘΑΛΜΟΛΟΓΙΚΑ ΜΗΧΑΝΗΜΑΤΑ

Introducing our new Auto Ref-Keratometer & Auto Refractometer!!

# In the pursuit of quality and ergonomics, the highest level of perfection and beauty has been achieved.

## Slim,Compact & Stylish Design

A new flat screen monitor with a beautiful graphics display and excellent visibility.
Sophistication contained within a simple and compact body design.
In the pursuit of ergonomics, minute attention to detail has been paid to materials, texture and finish in order to ensure superb operability.
At last, a solidly reliable optical unit. Focus on high quality for each and every component has resulted in the creation of the Auto Ref-Keratometer that will set the standard for the new generation.

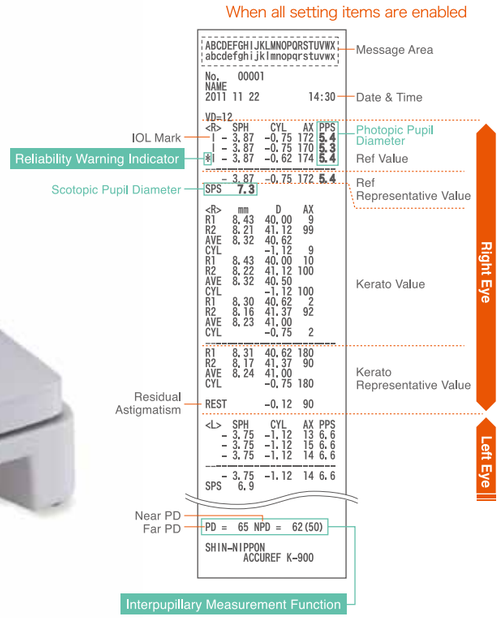
### Feather-touch sensor button

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

### 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.

When all setting items are enabled




## ACCUREF 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.

### 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.

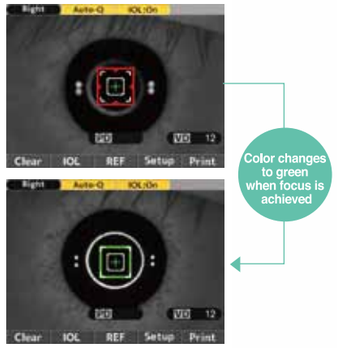
### Improved side flaps, head rest and chin rest

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.

## Simple & Easy Operation

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 operational screen has been also redesigned completely.
The well organized color plan/layout of the high-luminance color LCD panel makes the screen display extremely easy to read.

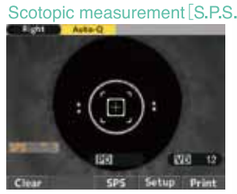
### Newly designed IOL Mode [color focus indicator]



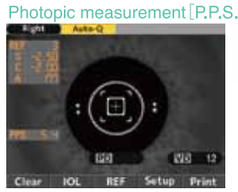

A subject with IOL was conventionally difficult to measure but this newly designed IOL mode has made it much easier.

### Scotopic & Photopic Pupil Diameter Measurement

Scotopic measurement [S.P.S. function]



Photopic measurement [P.P.S. function]

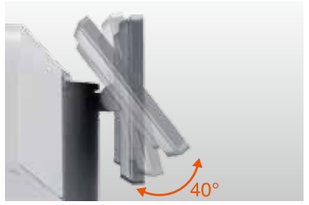


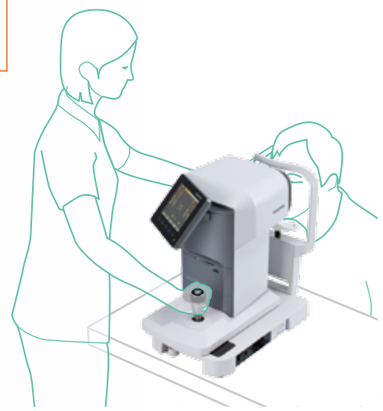
Both scotopic and photopic measurements are available.

※ S.P.S : Scotopic Pupil Size
P.P.S : Photopic Pupil Size

### Expanded vertical tilt range

The adjustment range of the vertical tilt angle has been expanded to 40°.
The unit can comfortably be operated from both seated and standing positions.





Also introducing our new sister model
Auto Refractometer ACCUREF R-800!!
A high-definition model made to the same specifications as K-900, excluding kerato measurement.

## ACCUREF R-800