

# AutoFocus AutoTrack Ref/KeratoMeter

AUTO REF/KERATOMETER

# GR-3500KA

COMING SOON



Grand Seiko Co.,Ltd.

### 3D Auto Measurement

With AutoFocus + AutoTrack + Auto Start, there is no need to operate the joystick precisely and the measurement is taken at the most proper position without pressing any switch.

### Precise Measurement

With the newly designed optical system, the measurement accuracy has been improved.

### Improvement of Cataract and IOL Measurement

Even with the cataract and IOL, the measurement can be taken with less error.

### Tilting Large LCD

The angle of LCD can be changed depending on the position of the operator.

By using the Large Color LCD, the measurement information can be shown with the color and the icon, which makes the measurement easy.

### Fast and Easy Install Printer (with Auto Cutter)

For replacing the printer paper, just put the paper and close the cover.

### Pupil Diameter Measurement

Pupil Diameter is measured simultaneously with the refractive power.

### Electric Chin Rest

Chin Rest can be moved electrically with the switch next to the joystick.

### PD Measurement

Measures the Far PD and the Near PD is calculated accordingly (select working distance from 30, 35, 40, 45cm). The result can be printed out as NPD as well.

### Small Pupil Measurement

Compare to the previous model, it measures smaller pupil of 2.2mm diameter to allow the measurement of elderly and the person with long eyebrows easier.

### Corneal Peripheral Measurement

Measurement of Corneal Peripheral becomes more precise and it is very useful to choose the base curve for the contact lens.

### Tonic Accommodation Measurement

With this function, tiredness as well as the recovery of Near Distance Work can be measured. Additionally, the reliability of far point measurement can be confirmed.

### Specification

Refraction Measurement	Sphere $-30 \sim +22D$ (0.01/0.12/0.25DStep)
	Cylinder $0 \sim \pm 10D$ (0.01/0.12/0.25DStep)
	Axis angle $0 \sim 180^\circ$ (1°Step)
Measurement of Corneal Radius	Corneal radius 5.0~10.0mm (0.01mmStep)
	Refractive power 33.75~67.5D (0.01/0.12/0.25DStep)
	Cylindrical power $0 \sim \pm 9D$
	Axis angle $0 \sim 180^\circ$ (1°Step)
Pupil Diameter Measurement	$\phi 2 \sim \phi 8$ 0.1mm step
Vertex Distance	0, 10, 12, 13.5, 15mm
Minimum Pupil Diameter	$\phi 2.2$ mm
Pupillary Distance	Measurement Range 85mm (1mmStep)
Printer	Thermal printer with Automatic Cutter (Width 57mm)
Internal Monitor	5.6 inch LCD Display (Color)
Movable Distance	Back/Force $\pm 17$ mm Right/Left $\pm 43$ mm Up/Down $\pm 17$ mm
Movable Distance of Chinrest	$\pm 30$ mm
Overall Dimension	(W)260mm $\times$ (D)465mm $\times$ (H)453mm
Weight	About 19.5kg
Output	RS232C Interface
	USB
Rated Voltage	100~240V
	50/60Hz
Consumption	90VA
Power Save	OFF, 3, 5, 10 min. (Selectable)

### Accessories

- Test eye / 1 pc
- Power cable / 1 pc
- Printer paper / 3 rolls
- Fuse 2A / 2 pcs
- Chinrest paper / 1 pack (1000 sheets)
- Chinrest pin / 2 pcs
- Dust cover / 1 pc
- Contact lens holder / 1 pc

### Option

- MDC-1 The Measurement Data Collection software
  - Electric table
  - Chair
- Specifications and design are subject to change without prior notice for improvement.

**CAUTION** For the proper and safety use, please read the Instruction Manual thoroughly before using the product.



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