Hand-Held
Retinomax Series 3

- Most accurate hand-held Autorefractor available.
- Wireless.
- Measure in any direction.
- Auto charging.
- Pass through alignment.

Hand-Held
Retinomax Series 3

RIGHTmedical
1-888-224-6012 • www.rightmedical.com
The Retinomax 3 Series boasts all the same benefits as the 2 Series, plus an impressive collection of new features.

Lighter With Thinner Grip
Weighing just under one kilogram, the main body with battery is over 17% lighter for the K-plus 3 and 11% lighter for the Retinomax 3 than the conventional Retinomax Series models. The Retinomax Series 3’s center of gravity is in the grip, making the Retinomax Series 3 feel much lighter and more balanced.

NEW Auto Quick Measurement
If no measurement is made within six seconds, the unit automatically enters Quick mode. Measurement is then taken in 0.07 second. In Auto Quick mode, “AQ” appears on printouts.

NEW Auto Pupil Measurement, Display and Printout
The unit measures pupil size automatically, displays the X (horizontal) size on the monitor, and prints out the XY (horizontal and vertical) sizes separately. Results can be used in checking accommodation, mydriasis, ADIE and Horner-associated syndromes.

Parallel Sensor Detects
Inclination of Main Body and Displays Value
Levelness is detected digitally with the use of the unit’s parallel sensor. It is displayed on the monitor in every 2° pitch up to ±12°, and every 3° pitch up to ±45°.

NEW Long or Continuous Use
With the adoption of a lithium ion battery, continuous operational time has been extended to approximately 80 minutes. The station has an AC adapter, allowing it to be connected to the main body with a DC cord (optional) to enable extended continuous operation. This facilitates screening, as well as use in an operating room.
**NEW Fixation Intensity Adjustment - Automatically Lowered for Pupils Less than 3 mm in Size**
The minimum pupil measurement size in Auto Quick mode is 2.3 mm. If a pupil is less than 3.0 mm, the fixation target intensity is automatically reduced by approximately 45% to avoid pupil constriction. The intensity can also be reduced with the fixation intensity key.

**NEW Extended Diopter Adjustment Range**
The diopter adjustment range has been extended to -18 -- +23.

**NEW Two Memory Functions**
Data from the last measurement is automatically saved after the Retinomax 3 is turned off. The last patient data can be recalled by pressing the PRINT key. The data can be transferred wirelessly to a printer.

Press the MEMORY key for more than one second to enter Memory Set. Save the data of up to 50 patients (100 eyes) in 10, 20, 30- and 40-patient steps.

**The Retinomax 3 Also Has Retro-illumination Mode**
The Retinomax 3 includes the retro illumination mode for observation of the media opacities.

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**Fast Refraction/Keratometry Readings**
In the Refraction/Keratometry Mode, readings up until both data are indicated require only 0.25 seconds -- 0.15 seconds for Keratometry and 0.12 for Refractions.

**Peripheral Corneal Curvature Readings**
Tangential peripheral readings are possible, as is E-value printing.

**2.5mm Pupil Size and Selectable Fixation Intensity**
When the eye is exposed to bright light, the pupil contracts, often making measurements impossible. Within the K-plus 2, the minimum required pupil diameter is only 2.5mm plus the intensity of the fixation target is variable.
<table>
<thead>
<tr>
<th><strong>SPECIFICATIONS</strong></th>
<th></th>
</tr>
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<tbody>
<tr>
<td><strong>Refraction</strong></td>
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| Measurement Range | S -18D to +23D  
C 0 to -12D, 0 to +12D  
Axis: 1° to 180° |
| Increments | Auto/0.25D selectable  
Axis: 1° |
| **Keratometry** |  |
| Measurement Range | Radius curvature: 5 to 11mm (in 0.01mm increments)  
Corneal astigmatism: in 0.25D increments  
Axis: 1° to 180° (in 1° increments) |
| Measurement Area | Center: Ø3.2mm (R8mm)  
Peripheral: 25° tangential (vertical/horizontal) |
| **General** |  |
| Measurement Area | 2.5mm |
| Measurement Modes | Auto/Continuous/Quick  
R-K Mode  
RK/R/K |
| Measurement Time | RK: 0.25 sec. per indication  
R: 0.12 sec. per indication (0.07 sec. in quick mode) |
| Mire Ring | 18 points dots: 30mm diameter |
| Fixation Target | Tree or Bear target selectable at the time of purchase |
| Consistency Value | 10 points |
| Pupil Observation | Retro Mode |
| Reaching Distance | 10.9 inch. (278mm) |
| Working Distance | 2 inch. (50mm) from cover glass |
| Dimensions (main body only) | (170 x 230 x 240mm) |
| Weight | Approx. 969g (with battery) |

Specifications are subject to change without notice.