# MR-6000

## Multifunction Unit

- Improvement of reproducibility and measurement efficiency
- Quick Ref Mode
- KAI and KRI index to detect corneal irregular astigmatism
- Corneal topography for detailed assessment of corneal shape
- Fourier Analysis Maps
- Wide-range automatic alignment

## MR-6000 **SPECIFICATIONS**

### Measurement performance

| | |
|---|---|
| **Refractive power measurement** | |
| Spherical refractive power | -30.00 D to +25.00 D ( VD = 12.0 mm) |
| Cylindrical refractive power | 0 D to +/-12.50 D ( VD = 12.0 mm) |
| Astigmatic axis | 0° to 180° |
| **Corneal curvature measurement** | |
| Corneal curvature radius | 5.00 mm to 13.00 mm |
| Corneal astigmatic axis | 0° to 180° |
| **Corneal shape measurement** | |
| Corneal curvature radius | 5.50 mm to 10.00 mm |
| Corneal astigmatic axis | 0° to 180° |

### Auxiliary functions

| | |
|---|---|
| **Interpupillary distance measurement** | |
| Measurement range | 20mm to 85mm |
| **Corneal diameter and pupil diameter measurement** | |
| Measurement range | 1.0mm to 14.0mm |

### Main unit

| | |
|---|---|
| Display type | 10.4-inch color TFT-LCD |
| Dimensions and weight | 312 (W) X 491 (D) X 450 (H)mm, Approx. 23.0 kg |
| Voltage | 100 VAC to 240 VAC |
| Frequency | 50/60 Hz |
| Power consumption | 110 VA |
| Laser Class | Class1 |

TOMEY


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TOMEY

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**Multifunction Unit**

# Simple but versatile in function

REF

## Improvement of reproducibility and measurement efficiency

Proprietary technology enhances the reproducibility of refraction measurement data, leading to improved measurement success rates in eyes with cataracts.

QuickRef

## Quick Ref Mode

Quick Ref Mode provides rough refraction values in just a few seconds, even in case of unstable fixation - suitable for patients with nystagmus, pediatric patients, and others who may have difficulty maintaining steady fixation.


KERATO

## KAI and KRI index to detect corneal irregular astigmatism

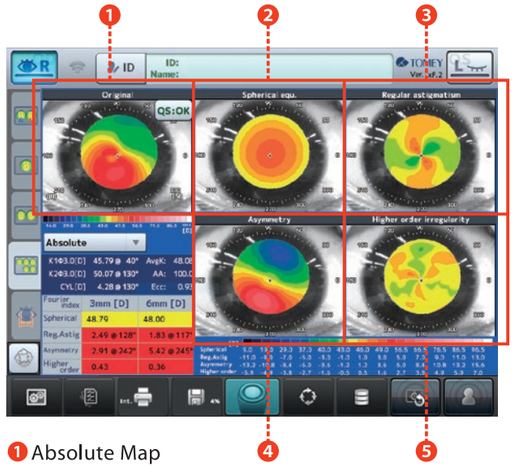
**KAI: Kerato-Asymmetry Index**
Indicates the asymmetry of the cornea. Values increase when the corneal shape is asymmetric, such as in keratoconus.

**KRI: Kerato-Regularity Index**
Indicates corneal irregularity, representing higher-order irregular astigmatism. Values increase when the corneal surface is not smooth.



TOPO

## Corneal topography for detailed assessment of corneal shape




1 Absolute Map
2 Spherical Component
3 Regular astigmatism component
4 Asymmetric component
5 Higher-order irregular astigmatism component

### Fourier Analysis Maps

Fourier Analysis Maps use five color-coded maps and quantitative data to decompose corneal shape into components that are correctable with lenses and those that are not, enabling clinicians to grasp complex corneal characteristics at a glance and supporting quick, intuitive clinical decision-making.

Topo cone

### Wide-range automatic alignment

Image recognition technology enables fully automatic alignment by simply capturing the pupil on the display, reducing operator workload and improving measurement efficiency.