



Simplicity meets variety

The versatile multifunctional unit for eye examinations can:

- + Determine the objective refraction
- + Visualise the corneal shape
- + Assess the IOP and C.IOP as part of glaucoma screening
- + Measure the central corneal thickness
- + Observe dry-eye

Specifications



REFRACTIVE POWER MEASUREMENT	
Spherical power	-30.00 D to +25.00 D (at VD = 12.00 mm)
Cylindrical power	0.00 D to ± 12.50 D (at VD = 12.00 mm)
Astigmatic axis	0° to 180°
Minimum pupil diameter	2.0 mm
KERATOMETRY MEASUREMENT	
Corneal curvature radius	5.00 mm to 13.00 mm
Corneal astigmatic axis	0° to 180°
INTRAOCULAR PRESSURE MEASUREMENT	
Measurement range	1 mm Hg to 60 mm Hg (1 hPa to 80 hPa)
PACHYMETRY MEASUREMENT	
Measurement range	300 µm to 800 µm
TOPOGRAPHY MEASUREMENT	
Corneal curvature radius	5.50 mm to 10.00 mm
Corneal astigmatic axis	0° to 180°
AUXILIARY FUNCTION	
Interpupillary distance	20 mm to 85 mm
Corneal diameter and pupil diameter	1.00 mm to 14.00 mm
Dry-eye application	Blinking frequency, tear meniscus height, hyperemia, Meibomian glands
DATA MANAGEMENT	
Internal database	Integrated SD card
Printer	Integrated thermal printer
Data output type	3x USB 2.0, 1x Ethernet, 1x SD card slot, 1x WLAN (not available in all countries)
Export format	DCM, XML, CSV, JPG, PDF
DIMENSIONS AND ELECTRICAL REQUIREMENTS	
Dimensions WDH	312 x 491 x 450 mm
Weight	approx. 23 kg
Voltage	100 VAC to 240 VAC
Frequency	50/60 Hz
Power consumption	110 VA
Laser class	Class 1

TOMEY EUROPE
TOMEY GMBH
Wiesbadener Strasse 21
90427 Nuremberg | Germany
+49 911 938 546 2 - 0
+49 911 938 546 2 - 20
info@tomey.de

tomey.de
Follow TOMEY
in    

TOMEY GmbH is the European headquarters of TOMEY Corporation, 2-11-33 Noritakeshinmachi Nishi-Ku, Nagoya, 451-0051, Japan



2023/05 - subject to change without notice

Always read and follow the instructions for use.
Not all products, services, or offers are approved or offered in every market. Please note that the current status of approval for the labeling, instructions and contents of the brochure may vary from one country to another.



MR-6000

Multifunction Unit



You + eye.
We care.



"IT'S APPEALING TO WORK WITH HIGH-END TECHNOLOGY DEVICES AND LEARN ABOUT THEIR BENEFITS FOR MEDICAL TREATMENT."

Katharina Koristi

TECHNICAL DEPARTMENT
ENGINEER

MR-6000 Multifunction Unit

The MR-6000 delivers a smart combination of five different eye examinations and a Dry Eye observation app. Along with the advantage of automatic alignment, this means that the MR-6000 speeds up your workflow and makes it more efficient.



- Five functions in one system**
This multifunction unit includes objective refraction, keratometry, topography, tonometry, and pachymetry. In addition, the Dry Eye observation app completes the powerful 5 + 1 system.

- Quick refraction mode**
The quick refraction mode supports refraction values to be obtained within seconds despite fixation loss: for example, for patients with nystagmus, children, or uncooperative patients.

- Corrected IOP**
A new generation of air-flow technology delivers a patient-friendly and gentle air puff. The automated IOP correction mode utilizes pachymetry values to correct the IOP.



- Dry-eye application**
Blinking frequency, tear meniscus height, hyperemia, and Meibomian gland observation all help assess dry eye.

- Topography**
16 Mire rings examine an area 8 mm in diameter. A number of topography maps, including Fourier analysis, provide a wide range of options for visualising corneal shape.



- Wide range alignment by image recognition**
Refined auto alignment and auto shot support the operator during the examination.

- Measurement cone interchange in just 4 sec**
Electrical cone interchange enables rapid switching between the measurement modes.



- Pupil and corneal diameter**
The diameters of pupil and cornea (WTW) are measured with each topography. Manual correction allows the user to adjust the measurement points.