

Specifications



REFRACTIVE POWER MEASUREMENT

SPHERICAL REFRACTIVE POWER (S)

Measurement range	-25.00 D to +22.00 D (at VD=12.0 mm)
Display unit	0.01 D, 0.12 D, 0.25 D
Minimum pupil diameter	Ø 2.0 mm

CYLINDRICAL REFRACTIVE POWER (C)

Measurement range	0.00 D to ±10.00 D (at VD=12.0 mm)
Display unit	0.01 D, 0.12 D, 0.25 D

ASTIGMATISM AXIAL (A)

Measurement range	0° to 180°
Display unit	1°, 5°

CORNEAL CURVATURE RADIUS MEASUREMENT

CORNEAL CURVATURE RADIUS (K1, K2, AVG)

Measurement range	5.00 mm to 11.00 mm
Display unit	0.01 mm

CORNEAL ASTIGMATISM AND AXIS (C, A)

Measurement range (C)	0 D to 10 D (n=1.3375)
Measurement range (A)	0° to 180°
Measurement area cornea	Ø 3.0 mm (at 8.00 mm corneal curvature)

AUXILIARY FUNCTION

PD range	50 mm to 86 mm
Vertex distance	0.00, 12.0, 13.5, 14.0, 15.5, 16.0 mm

MAIN UNIT

Built-in printer	Thermal printer
Output	RS-232C, USB B
Display	5.7" colour LCD

DIMENSIONS AND ELECTRICAL REQUIREMENTS

Dimensions WDH	297 x 500 x 448 mm
Weight	approx. 17 kg
Voltage	100 VAC to 240 VAC
Frequency	50/60 Hz
Power consumption	80 VA to 100 VA

TOMEY EUROPE
TOMEY GMBH

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

tomey.de

Follow TOMEY



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



2025/03 - subject to change without notice / Picture credits: Mountains © Ralph Ravi Kayden, www.unsplash.com / Sky with clouds © Stacey Gabrielle Koentz, www.unsplash.com



RC-800

Auto Ref-Keratometer



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 labelling, instructions and contents of the brochure may vary from one country to another.



You + eye.
We care.

RC-800 Auto Ref- Keratometer

The RC-800 is a valuable tool for today's eye diagnostics. Precise measurements in conjunction with a very short examination time and easy handling make working with the TOMEY RC-800 fast and professional. You can operate and align the RC-800 with a combination of joystick and touch screen – all in a minimum amount of time.



+ Colour touch screen

The RC-800's easy-to-use user interface, colour touch screen and joystick offer fast operation and a clear display of the measured values.

+ Central K values

In addition to the refraction data, the central keratometer values and the base curve of RGP contact lenses can be measured easily.

+ Pupil and cornea Ø measurement

The RC-800 allows the acquisition of an anterior image to measure pupil and corneal diameters by aligning the corresponding callipers.

+ High precision

The RC-800's proven measurement technology means very precise values for refraction and keratometry.

+ Auto measurement

The measurement is triggered automatically as soon as the eye is in the correct focus.



"THE RC-800 IS EASY TO OPERATE AND PERFORMS VERY WELL IN OBJECTIVE REFRACTION AND KERATOMETRY."

Kathrin Beybold

PRODUCT MANAGER,
OPHTHALMIC OPTICS & OPTOMETRY