

ECONOMICAL

AUTOREFRACTOR

▶ THE TOMEY TR-4000 DUAL CCD AUTOREFRACTOMETER

- *Dual CCD Technology*
- *Cataract and IOL Mode*
- *PD Measurement*
- *Adjustable Vertex Distance*
- *Multi-Averaging System*
- *Stand-by Function*
- *Fast and Silent Printer*





The fixation target ensures that the patient's eye is relaxed during the examination.

Cataract and IOL Mode

These modes are used for eyes where measurement is difficult, such as pseudophakic eyes or cataract. The TR-4000 detects the state of the eye to be examined and switches automatically to the relevant mode.

Fast and Accurate

Our new Dual CCD measurement system increases the accuracy of all measured values. With the automatic "state of the eye" function and the new measurement method, our objective measurement is now comparable to the results obtained using a phoropter with its subjective methods - in less time.

Data Output

Test results are immediately available from the fast and silent built-in printer. On the printout you have the possibility to add personal data. The results can also be transferred to a computer via the integrated RS-232 port.

Power Saving Features

The stand-by mode is automatically activated after a selectable 5 or 10 minute period. This increases the overall life time of the unit and saves power. A tip on the measurement button and the system is ready again for full operation.

SPECIFICATIONS

Measurement Ranges

<i>Sphere</i>	+20 D to -20 D
<i>Cylinder</i>	+8 D to -8 D
<i>Axis</i>	0° to 180° (1° increment)

Measurement Units

<i>Refraction</i>	0.12 D, 0.25 D
<i>Measurement Time</i>	0.3 sec
<i>Pupil Distance</i>	50 to 86 mm (1 mm increment)
<i>Minimum Pupil Diameter</i>	2.5 mm

Movable Range

<i>Forward/Backward</i>	40 mm
<i>Left/Right</i>	86 mm
<i>Up/Down</i>	30 mm

Target for Patient Landscape

Fogging Auto Fogging System

Hard-Copy Built-in Thermal Printer

Focusing System Concentric Circles on the CRT

Operating Environment

<i>Temperature</i>	10° C to 40° C
<i>Humidity</i>	30 % to 75 %

Display 5" Monochrome

Dimensions (WxDxH) 307 x 470 x 470 mm

Weight approx. 20 kg

Power Supply 100 V to 240 V
50 / 60 Hz
65 / 100 VA

Power Saving Mode 5 or 10 min of Non-Use

TOMEY EUROPE

TOMEY GmbH
Am Weichselgarten 19a
91058 Erlangen
Germany
Phone (+49) - 9131 - 77710
Fax (+49) - 9131 - 777120
eMail: info@tomey.de

TOMEY ASIA-PACIFIC

TOMEY CORPORATION JAPAN
2-11-33 Noritakeshinmachi
Nishi-ku, Nagoya 451-0051
Japan
Phone (+81) - 52 - 581-5327
Fax (+81) - 52 - 561-4735
eMail: intl@tomey.co.jp

The AutoRefractometer TR-4000 provides fast and accurate objective measurements.

All refractive data can be displayed on the data platform of your PC by means of automatic data transfer.

Visit our internet domain:
www.tomey.de

