

REFRACTION SYSTEM TAP-2000

AUTOMATED PHOROPTER

DELIGHT IN SIGHT

Simplifies the refraction routine.



- Ergonomic control panel
- Numerous kinds of tests
- Wide visual field
- Individual working routine
- Compatible with various TOMEY equipment
- Dual cross cylinder for high efficiency

 **TOMEY**

THE AUTOMATED PHOROPTER TAP-2000

QUALITY IN DETAIL



The automated phoropter TAP-2000 is the optimal product to establish an individual working routine for an all-round refraction. The phoropter assists in performing the various measurement options by displaying useful tips.

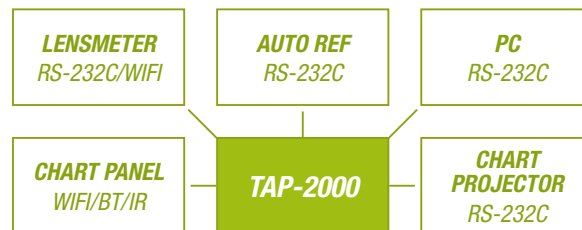
Additionally TAP-2000 is compatible with various TOMEY equipment like lens meter, autorefractor, chart panel and projector. No matter if you prefer cable or wireless connection – both options are available (depending on equipment). Thanks to this it is easy to import data from different sources and export your final refraction values to a PC or EMR system.

COMFORT FOR OPERATOR AND PATIENT

- The convenient control panel allows an easy one-hand operation.
- Call up the versatile vision test with the touch of a finger.
- The dual cross cylinder leads to more efficiency in the astigmatism measurement by presenting both visual impressions simultaneously.
- During the refraction, the blue LED light on the front side of the phoropter head indicates the correct position of the patients' forehead.
- The wide visual field of 40° guarantees a very natural vision without limitations.
- By the bright white LED light for near vision, the near vision chart is illuminated perfectly.
- The comparison between pre-exam data acquired by TOMEY Lensmeter or Auto-Refractometer and the final refraction data may be demonstrated by one click.
- An ergonomic use is supported by the **flexible display** of the control box.



DATA TRANSFER OPTIONS OF TAP-2000



Please note: The availability of wireless data transfer depends on the hardware and software version of each product.

SPECIFICATIONS

MEASUREMENT RANGE

Spherical power	-29.00 to +26.75D (0.12/0.25/1.00/2.00/3.00 D step)
Cylindrical power	0.00 to ±8.75D (0.25/1.00/2.00/3.00 D step)
Cylindrical axis	0 to 180° (1°/5°/15°step)
Pupillary distance	48 to 80 mm (far)/50 ~ 74 mm (near)
Prism	0 to 20Δ (0.1Δ/0.5Δ/2.0Δ step)

REFRACTOR HEAD

Auxiliary lens	Occluder, Pinhole (Ø 2 mm), Red-green filter, Linear polarising filter, Fixed cross cylinder lens (±0.50 D), Red Maddox rod, Dissociation prism (3/ 6/ 10Δ)
Cross cylinder	±0.25D, ±0.50D
Retinoscopy	+1.5 D / +2.0D
Visual field	40° (VD = 12 mm)
Level adjustment	±2.5°
PD adjustment	Monocular /binocular

NEAR VISION

Working distance	35 to 70 cm (5 cm step)
Near point chart illumination	LED light

DIMENSIONS & ELECTRICAL REQUIREMENTS

PHOROPTER HEAD

Dimensions WDH	410 x 65 x 320 mm
Weight	3.9 kg
Phoropter arm holder	Ø 21mm ± 0.5 mm

CONTROL BOX

Dimensions WDH	230 x 235 x 65 mm
Weight	3.4 kg
Display	10.4" Colour TFT-LCD with touch panel
Printer	Built-in thermal

POWER SPECIFICATION

Power source	AC 110/220V (±10%)
Frequency	50/60Hz
Power consumption	220-270VA



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