

TAP-2000

Automated Phoropter

The automated phoropter TAP-2000 is a fantastic product for establishing a personalised work routine for an all-around refraction. The phoropter supports the performance of the various measurement options by displaying useful tips. The TAP-2000 is also compatible with other TOMEY equipment including lensmeter, auto ref-keratometer, chart panel and chart projector.

Excellent features

- + Ergonomic control panel
- + Custom work routine
- + Numerous tests
- + Compatible with various TOMEY equipment
- + Wide visual field
- + Dual cross-cylinders for high efficiency



Specifications

MEASUREMENT RANGE	
Spherical power	-29.00 D to +26.75 D (0.12/ 0.25/ 1.00/ 2.00/ 3.00 D step)
Cylindrical power	0.00 D to ± 8.75 D (0.25/ 1.00/ 2.00/ 3.00 D step)
Cylindrical axis	0° to 180° (1°/ 5°/ 15° step)
Pupillary distance	48 mm to 80 mm (far) / 50 mm to 74 mm (near)
Prism	0 Δ to 20 Δ (0.1 Δ / 0.5 Δ / 2 Δ step)

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

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

DIMENSIONS AND ELECTRICAL REQUIREMENTS	
Phoropter head	
Dimensions WDH	410 mm x 65 mm x 320 mm
Weight	3.9 kg
Phoropter arm holder	$\phi 21$ mm ± 0.5 mm
Control box	
Dimensions WDH	230 mm x 235 mm x 65 mm
Weight	3.4 kg
Display	10.4" colour TFT-LCD with touch panel
Printer	Built-in thermal
Power specifications	
Voltage	110 VAC to 220 VAC ($\pm 10\%$)
Frequency	50/60 Hz
Power consumption	220 VA to 270 VA

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