COMPLETE

TOMEY REFRACTION SYSTEM

AUTOMATED PHOROPTER TAP-1000 & CHART PROJECTOR TCP-1001

- *Easy Operation with Intuitive Keyboard*
- *Data Display with High Contrast LCD*
- *Separate Printer for Data Documentation*
- *Easy & Exact PD Control*
- *Equipped with all Standard Refraction Tests*
- *Cross-Cylinder Lens & Accurate Rotary Prism*
- *Communicates with Tomey AutoLensmeters & AutoRefractors*

HS Optikmaschinen

TAP-1000 & TCP-1001
Automated Photopter & Chart Projector

TAP-1000
TCP-1001

Data Communication

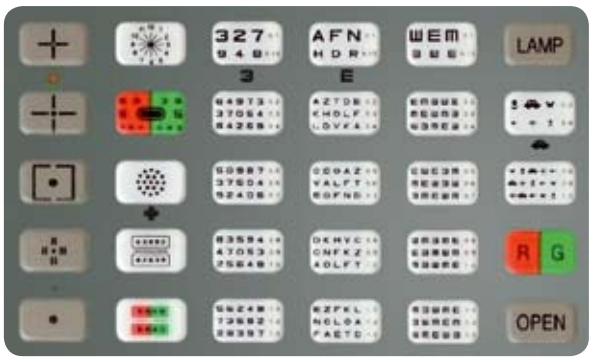
Data transfer of objective refraction data from our RC-5000, TL-2000B, TL-3000B and TR-4000 and transfer of subjective refraction data to a local PC.

Easy Operation

The Tomey refraction system is operated by one control keyboard and all settings can easily be performed by an electronic dial. Due to the coloured keyboard the operation is very intuitive.

Test Selection

The TAP-1000 & TCP-1001 are equipped with a full range of all standard refraction charts and tests.



Specifications

Measurement Range

Spherical Lens	-29.00 ~ +26.75 D (0.25 D / 1.00 D / 2.00 D / 3.00 D STEP)
Cylinder Lens	0.00 ~ -9.75 D (0.25 D / 1.00 D / 2.00 D STEP)
Cylinder Axis	0 ~ 180° (1° / 5° / 10° / 15° / 20° STEP)
PD	50–80 mm (1 mm STEP) (near working distance: 35 ~ 70 cm)
Rotary Prism Lens	0–24 Δ (0.1/ 0.2/ 0.5/ 1.0/ 2.0 Δ STEP)
Cross Cylinder	±0.25 D
Retinoscope	+1.50 D (67 cm), +2.00 D (50 cm)
Visual Field	35°

Auxiliary Lens

Occ	
Pinhole Plate	Ø 1 mm
Maddox Rod	Right eye (red, horizontal) Left eye (red, vertical)
Red/Green Filter	Right eye (red) Left eye (green)
Polarizing Filter	Right eye (135°, 45°) Left eye (45°, 135°)
Split Prism	Right eye (6 ΔBU) Left eye (10 ΔBI)
Cross Cylinder Lens	±0.50 D (fixed with the axis set at 90°)

Chart Projector

Chart Change Time	0.2 sec
Auto Off	6 min
Different Charts	32
Projection Distance	1.5 - 10 m

Dimensions & Electric Requirements

Phoropter Head	
Dimensions WDH	450 x 308 x 131 mm
Weight	Approx. 6.8 kg
Phoropter Arm Holder	Ø 21 mm ±0.5 mm
Projector	
Dimensions WDH	197 x 335 x 163 mm
Weight	Approx. 5.6 kg
Controller	
Dimensions WDH	230 x 268 x 152 mm
Weight	Approx. 1.1 kg
Thermal Printer	
Printing Width	48 mm
Paper Width	58 mm
Power Supply	AC 100–120V / AC 220–240V
Power Consumption	120 VA

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