

RODENSTOCK Instruments



Making analysis
fashionable

Phoromat 2000

Automated Phoropter

R RODENSTOCK

The Phoromat 2000: Tune up your business



” The digital support provided by Phoromat 2000 really simplifies my refraction routine.

“

What are your benefits?



Precise refraction

Plenty of different visual tests



Intuitive operation

Touch screen and ergonomic control panel



Natural vision

Wide visual field of 40°



Competency

One-click comparison of pre-exam and final refraction data



Personalisation

Program user-defined test sequences



Connectivity

Ready for connection to various products from RODENSTOCK Instruments

Your digital partner
in consulting.

Outstanding features



Dual cross cylinder

Simultaneous presentation of both visual impressions

Position control

A blue LED light indicates the correct position of the patients' forehead

Smart assistance

Useful tips on optimal performance are displayed



Data transfer

Wireless or cable connection to several products

Near vision support

Automatic convergence and bright LED reading light

Ergonomic use

Tiltable and rotatable display on the control box



Specifications

MEASUREMENT RANGE

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

REFRACTOR HEAD

Auxiliary lens	Occluder, pinhole (ϕ 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	+1.5D/+2.0D
Visual field	40° (VD = 12 mm)
Level adjustment	$\pm 2.5^\circ$
PD adjustment	Monocular/binocular

NEAR VISION

Near vision	35 to 70 cm (5 cm steps)
Near point chart illumination	LED light

DIMENSIONS AND ELECTRICAL REQUIREMENTS

PHOROPTER HEAD

Dimensions WDH	410 × 65 × 320 mm
Weight	3.9 kg
Phoropter arm holder	\varnothing 21 mm \pm 0.5 mm

CONTROL BOX

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

POWER SPECIFICATIONS

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

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Phoromat 2000 data communication*

The Phoromat 2000 phoropter is shown with various data communication options available for different components:

- Auto Ref-Keratometer:** ALINO® CX 2000, CX 800, RS-232C
- Chart Panel:** CV Series, WiFi, Bluetooth, IR
- Chart Projector:** Rodachart 422, RS-232C
- PC:** RS-232C
- Lensmeter:** AL Series, RS-232C, WiFi

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