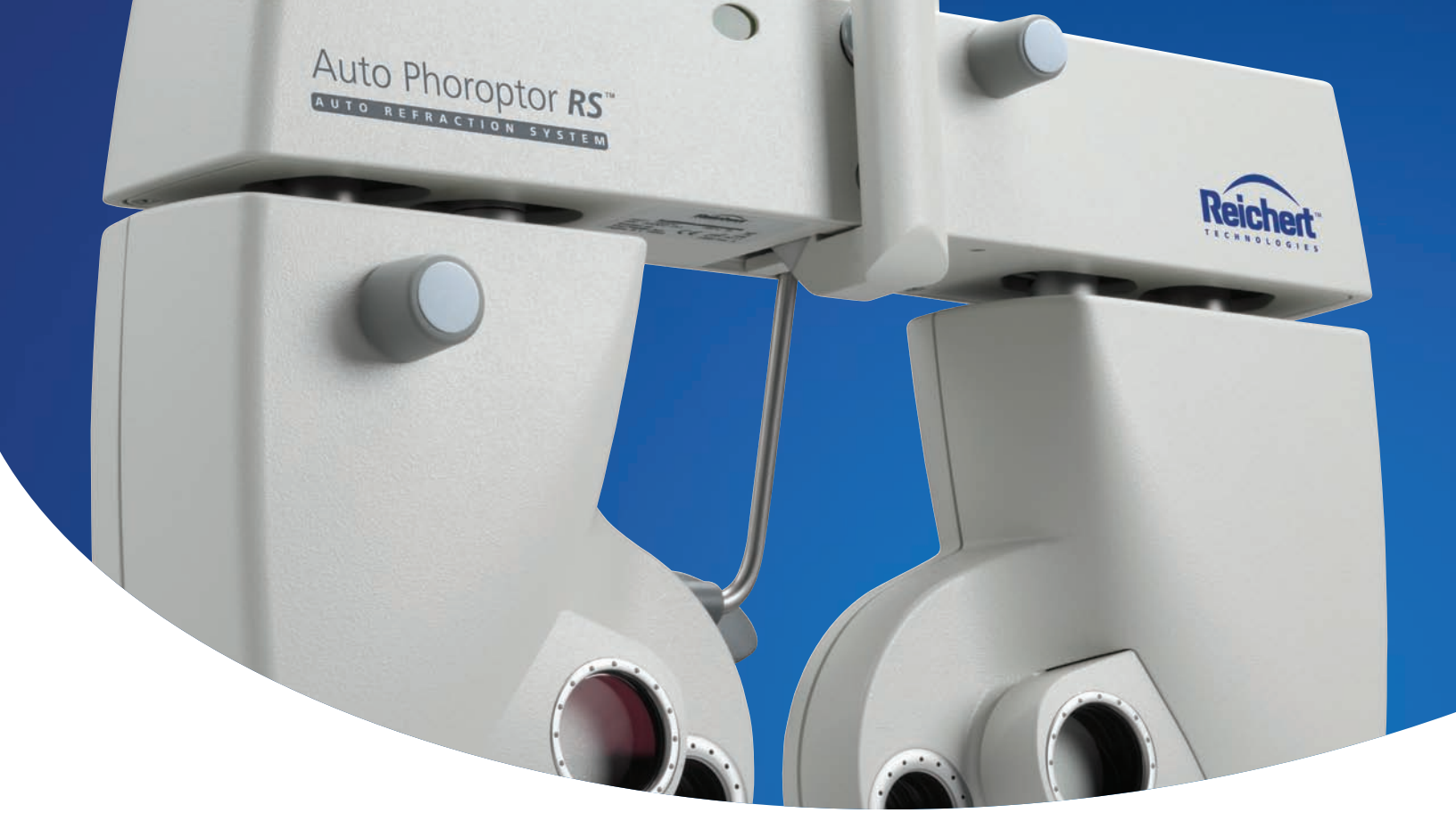


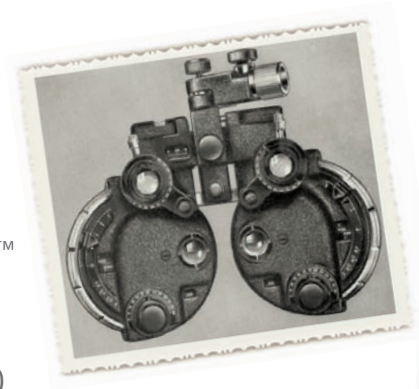
Auto Phoroptor RS™

Auto Refraction System

Our legendary Phoroptor® quality, now in an automated system.

Reichert™
TECHNOLOGIES
Advancing Eye Care. Preserving Sight.™

Reichert *is* Refraction.



The Reichert® Ultramatic RX Master™ Phoroptor® has been the leading name in refraction for more than 80 years. The same precision engineering, reliability and outstanding performance of the manual Phoroptor® are incorporated into the **Auto Phoroptor RS™** Auto Refraction System. The compact design, sleek styling and quick, quiet lens exchange are unmatched by other automated refraction systems.







Precise, efficient refraction integrated with your practice:

The **Auto Phoroptor RS**™ will easily adapt to your practice, allowing you to perform all the functions of manual refraction while comfortably seated next to your patient. The controller is small enough to place on any work surface and can also be operated from a standing position.

The system configuration fits perfectly with a traditional lane set up, requiring no additional investment in instrument tables and seating. The Auto Phoroptor RS can communicate with pre-test equipment and EMR systems to upload patient data as a refraction starting point, as well as save refraction results.





Auto Phoroptor RS™ Features:

- Compact design is not intimidating and allows for greater patient visibility
- Ultra slim lens profile that prevents the patient from experiencing tunnel vision
- Prism lenses slide in manually, minimizing the width of the lens aperture
- Phoroptor eye height adjustment to align the patient's eyes horizontally
- Functions as both a plus and minus cylinder Phoroptor with the ability to change cylinder preference in mid exam
- Phoroptor automatically converges and transitions to binocular measurement when the near point rod is lowered
- Polarized, Maddox and selectable Retinoscopy lenses
- Connectivity with a wide range of lensmeters and autorefractors
- Interfaces with EMR systems









Auto Phoroptor RS™ Controller Features:

The controller allows you to perform all refraction functions and provides customizable settings to meet your needs and preferences. The intuitive keypad controls are logically arranged and easily accessed. Most operations are single key functions.

- PD Measurement
- Sphere power adjustment
- Cross cylinder function tests for astigmatism, axis adjustment and cylinder power measurement
- Presentation of prism lenses
- Measurement of ADD power in near vision testing
- Storage of unaided and aided visual acuity
- Record and automate up to four different refraction sequences



Reichert
TECHNOLOGIES

Auto Phoroptor RS™ Auto Refraction System



Auto Phoroptor RS - Head



Auto Phoroptor RS - Controller



Auto Phoroptor RS - Central Unit



AP250 Auto Projector (sold separately)

EMR/EHR compatible.

Some of the many pre-test instruments compatible with the Auto Phoroptor RS include:



RK700 Auto Refractor/ Keratometer



AL700 Auto Lensometer

Catalog Numbers:

Auto Refraction System

System includes Auto Phoroptor RS™ head, controller, central unit and connection cables.

16210-1	Auto Phoroptor RS System without Prism*
16210-2	Auto Phoroptor RS System with Prism*

** When ordering please specify Phoroptor® mounting option (middle, right or left) and voltage option.*

Accessories

13800	AP250 Auto Projector	
559 211	Software Package 1	Lensmeters
559 212	Software Package 2	Autorefractors
559 213	Software Package 3	Printer
559 214	Software Package 4	All Inclusive
559 215	Software Package 5	Block Polaphor® and DOMS Polastar Digital Acuity Systems

Specifications:

Phoroptor

Spherical Power	+17.25 to -22.25 D, Steps 0.25 and 1.00 D
Cylinder Power	+8.0 to -8.0 D, Steps 0.25 and 1.00 D
Axis Adjustment	0 to 179°, Steps 1 and 10°
Cross Cylinder Test	± 0.25 D and ± 0.5 D
Prism	0 to 20 Δ, Steps 0.50 Δ binocular and 0.25 Δ monocular
Corneal Vertex Distance	16 mm
PD Adjustment	50 to 80 mm, Steps 1 mm binocular, 0.50 monocular
Convergence	400 mm
Eye Height Adjustment	± 3 mm
Free Aperture	19 mm
Depth of Housing at Aperture	26 mm
Dimensions	12.2" W x 8.1" H x 2.8" D (31.0 x 20.5 x 7.0 cm)
Weight w/o Prism Compensators	7.9 lbs. (3.6 kg)

Controller

Dimensions – Keypad	9.2" W x 1.8" H x 9.8" D (23.4 x 4.5 x 25.0 cm)
Dimensions – Display	8.9" W x 6.2" H x 0.6" D (22.5 x 15.8 x 15.0 cm) 8" viewable color LCD display
Weight	4.2 lbs. (1.9 kg)

Central Unit

Dimensions	8.1" W x 3.5" H x 10.8" D (20.5 x 9.0 x 27.5 cm)
Weight	9.9 lbs. (4.5 kg)
Power Consumption	80 VA
Operating Voltage	115 VAC / 60 Hz 230 VAC / 50 Hz

Proudly Made in the USA

Call your authorized Reichert Technologies Distributor today.

Important Notice
For your own protection, only purchase your Reichert Technologies instruments from and have them serviced by an Authorized Reichert Distributor.

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ISO 9001 Certified
Reichert products are designed and manufactured under quality processes meeting ISO 9001 requirements.