

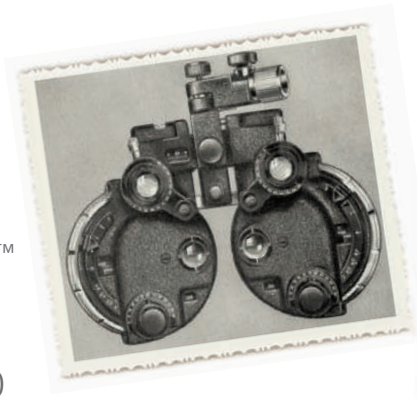


# Auto Phoroptor RS™

Auto Refraction System

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

# 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 Phoropter 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
- Phoropter eye height adjustment to align the patient's eyes horizontally
- Functions as both a plus and minus cylinder Phoropter with the ability to change cylinder preference in mid exam
- Phoropter 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 Phoropter 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





Auto Phoroptor RS - Head



Auto Phoroptor RS - Controller



Auto Phoroptor RS - Central Unit



AP250 Auto Projector  
(sold separately)



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

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

#### Controller

<b>Dimensions – Keypad</b>	9.2" W x 1.8" H x 9.8" D (23.4 x 4.5 x 25.0 cm)
<b>Dimensions – Display</b>	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
<b>Weight</b>	4.2 lbs. (1.9 kg)

#### Central Unit

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

