

# ALINO<sup>®</sup>

## MULTIFUNCTION REFRACTOMETER

NEW  
ALL IN ONE

Topography

Refraction

Tonometry

Pachymetry

Dry Eye Analysis

Keratometry



**R**  
**RODENSTOCK**

## Refraction measurement

- Spherical refractive power (S)  
Measurement range -30.00 D to +25.00 D (at VD =12.0mm)
- Cylindrical power (C)  
Measurement range 0.00 D to ±12.50 D (at VD= 12.0mm)
- Astigmatic axis (A)  
Measurement range 0° to 180°

## Keratometry measurement

- Corneal curvature measurement  
Measurement range 5.00 mm to 13.00 mm
- Corneal astigmatic axis  
Measurement range 0° to 180°

## Intraocular pressure measurement

- Gentle air puff  
Measurement range 1 mmHg to 60 mmHg (1 hPa to 80 hPa)
- IOP correction taking account of Pachymetry values

## Pachymetry measurement

Measurement range 300 µm to 800 µm

## Topography measurement

- Ø 8.00 mm / 16 Mires Rings Steep and flat shape in central area can be found
- Map Types Single Eye / Binocular / 2 Maps / Fourier Analysis (original, spherical, regular, Asymmetry, higher order irregularity)
- Corneal curvature radius  
Measurement range 5.50 mm to 10.00 mm
- Corneal astigmatic axis  
Measurement range 0° to 180°

## Interpupillary distance measurement

Measurement range 20 mm to 85 mm

## Corneal diameter and pupil measurement

Measurement range 1.00 mm to 14.00 mm

## Quick Ref. Mode

Allows refraction values within seconds despite fixation loss (nystagmus, other diseases, children, elderly people)

## Dry Eye Analyse – Status March 2019 (still under development)

- Blinking Analysis, Tear Meniscus height, Hyperemia, Meibomian Glands

## Main unit

- Display type 10.4" colour TFT – LCD
- Dimensions & weight 312 (W) x 491 (D) x 450 (H) mm, approx. 23 kg
- Voltage 100 VAC to 240 VAC
- Frequency 50/ 60 Hz
- Power consumption 110 VA
- Internal Database Integrated SD Card
- Printer Integrated thermal printer

## Networking Capability

- Interface 3x USB 2.0, 1x LAN, 1x SD Card-slot, 1x WLAN

## Export Format

- CSV, XML, JPG, PDF

