



# ESR-Series

Scan and Pachymeter



OPHTHALMOLOGY / ENT



## Features

- 5.7 -inch color LCD touch screen, and user information can be easily input, more convenient and quick
- Light blue and white alternate design, select the user interface of the color matching, reduce the visual fatigue, protect your eyes.
- I-Station integrated workstation, complete data and waveform storage, report generation and printing function
- Rechargeable battery, could be used for 10 hours.
- Built-in thermal printer, A key print directly.
- USB port could connect your PC directly
- Support I-station workstation connection
- Small footswitch offer you good feeling.
- Six kinds language: Chinese, English, Russian, French, Spanish and Portuguese.
- 1.7Kg net weight, more portable.
- show actual value and deviation at the same time
- Sensitive, convenient, accurate and fast measurement
- The probe service life is long, high cost performance
- Point and surface point measurement display
- Calculate the calibration value of intraocular pressure (after achieving accurate intraocular pressure)
- Ultrasonic velocity and offset is adjustable, compare measuring results with other equipment easily.
- Unique design with nearly 20 years of manufacturing technology, increase the stability and accuracy of measurement

Power requirement: AC 100-240V 50-60Hz

Rate power:  $\leq 45$  VA

Dimension: 200\*168\*165(mm, L\*W\*H)

Weight of main unit: Approx. 1.7kg (exclude the accessories)

### Accessories:

Adapter

Gage block

Battery charger OPTIONAL

Battery OPTIONAL

Touch screen pen

Footswitch

### Models:

**ESR-A:** Scan

**ESR-P:** Pachymeter

**ESR-AP:** Scan and Pachymeter

## Parameters

### A scan, Biometer:

Probe Frequency: 10 Mhz

Resolution: 0.01mm

Accuracy:  $\pm 0.02$ mm

Gain adjustable: 0-120dB

Measurement range: 15~35 mm ( vel 1640m/s)

Measurements: ACD, Lens, Vitreous, and AXL

Examination modes: Normal, Aphakic, pseudophakic and dense cataract.

Measurement mode: Immersion and contact, auto and manual

IOL formulas: : SRK-II, SRK-T, BINKHORST, HOLLADAY, HOFFER-Q, HAIGIS

Any of two groups can control display. Calculate IOL, DEM, DAM, REEF, etc. And long term save 100 groups of measurement results of A scan.

### Pachymeter scan

P scan probe: 20MHz, angle of 45 degrees makes easier operation

Resolution: 5um

Measuring range: 150um~1500um

Display: SINGLE mode and MAP mode

Can display ultrasound waveform when measuring

Each group is the average of 20 measurements

Switch between IOP measured value and actual value

Can input name, ID and operator's name



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