



Rebound Tonometer SW-500

SUOER rebound Tonometer SW-500 is used to measure intraocular pressure, there are two working modes: vertical and horizontal. Wireless data output the principle: when the probe contact the surface of different hardness at a certain speed, it has different reaction of the probe rebounding.

Advantage: high accuracy, portable, without anesthesia, without the cross-infection etc.

Technical data

Measure Range	3mmHg~70mmHg
Precision	$\pm 1.5\text{mmHg}$ ($3\text{mmHg} \leq \text{IOP} \leq 25\text{mmHg}$); $\pm 2.5\text{mmHg}$ ($25\text{mmHg} < \text{IOP} \leq 70\text{mmHg}$);
Measurement Mode	Both vertical and horizontal measurement
Output	Wireless Infrared Thermal Printer
Easy to use	
Small size, Easy to carry	
No need Anesthesia, No Discomfortableness	



Vision Screener SW-800



SUOER Opto-Cam (SW-800), Simple and fast visual parameter screening instrument. SW-800 Opto-Cam measures both eyes simultaneously just like taking a photo. This device is designed to detect vision issues for patients ages 3 months through adults. A total of 8 different binocular measurement can be attained within two seconds.

Technical data

Operation Mode Bino/Mono
Optometry Automatic

DS	
Range	-8.50D to +8.50D
Resolution	0.25D/0.01D
Accuracy	±0.50D

DC	
Range	0.00D to 4.50D
Resolution	0.25D/0.01D
Accuracy	±0.50D

Axis	
Range	1° to 180°
Resolution	1°
Accuracy	±5°

Pupil size	
Range	3.5mm to 9.0mm
Resolution	0.1mm
Accuracy	±0.1mm

Pupil distance	
Range	35mm to 80mm
Resolution	1mm
Accuracy	±1mm
Gaze	0° to 20°
Measuring distance	1m±5cm
Time per measurement	~1s
Fixation target	Light flash, attractive sound
Date interface	Wi-Fi, USB
Printer Interface	USB
Battery	Rechargeable lithium batteries, 6 hours of duration, Replaceable
Size	180mm x 130mm x 110mm
Display	5 inch touch screen
Weight	0.8KG
Optional accessories	Camera tripods, printer, etc



Ophthalmic A Scan SW-1000

SUOER A/P Scan SW-1000 is an A and P scan combine in one instrument with high accuracy, fast measuring speed and easy to operate.

Technical data

A scan probe

Measuring range	10MHz import small size probe, built-in luminotron
Measurement precision	15mm-40mm
Measurement	$\pm 0.05\text{mm}$; with macula lutea trace function
Method of measurement	Anterior chamber depth, lens thickness, vitreous body length, total length and average
Eye mode	immersion and contact
IOL formula	Phakic / Aphakic / Dense / various IOL
Enter the name & ID	SRK-II, SRK-T, BINKHORST- II, HOLLADAY, HOFFER-Q, HAIGIS
Storage	easy to check archive
Output	10 cases, 5 readings each case
	A scan waveform and IOL calculation sheet

Pachymeter

Resolution	20MHZ, angle of 45 degrees makes easier operation
Measuring range	5um
Display	150um~1500um
Can display ultrasound waveform when measuring	SINGLE mode and MAP mode
Each group is the average of 20 measurements	
Switch between IOP measured value and actual value	
Can input name, ID and operator's name	

Others

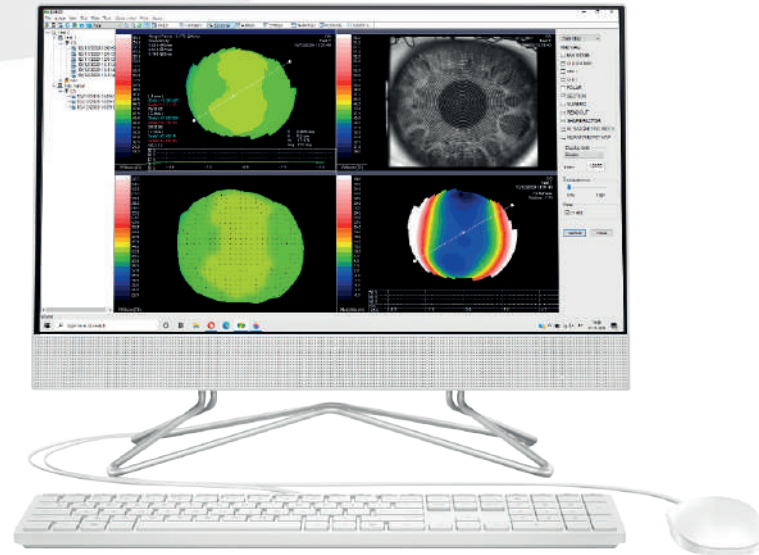
Large color liquid-crystal screen
Touch screen input, easy operation
Curve freezing: Manual/Auto mode, controlled by pedal
Built-in speed thermal printer

SW-1000A A/Scan

SW-1000P Pachymetry

SW-1000AP A/Scan + Pachymetry

Corneal Topographer SW-6000



SUOER Corneal Topographer (SW-6000): using PLACIDO cone, 31 rings and a total of 7936 points, to measure and obtain analysis of corneal shape and corneal refraction data. The SW-6000 has included readings such as: axial curvature, tangential curvature, altitude map, simulated keratotomy and corneal 3D map.

Technical data

Measuring Mode	Placido Cone
Coverage range of measurement	10.91mm (Diameter)
Measuring range of Curvature radius	5.5mm-10.0mm(33.75D-61.36D)
Precision	±0.02mm
Placido Rings	31 Rings
Measurement Points	7936 Points
Display	Axial Curvature map, Tangential Curvature Map, Elevation Map, Imitated Keratoscope Map and 3D cornea Map
Image output	High-Quality color inkjet printer

Adjust moving range

Left-Right	0 to 86mm
Forward-Backward	0 to 40mm
Up-Down	0 to 30mm
Chinrest	0 to 50mm
Cornea Contact Lenses Fitting Function	
Keratoconus Detecting Function	

SW-6000D incl. Dry Eye Analyzer

The image shows the SUOER Dry Eye Analyzer SW-6000D. On the left is a full view of the device, which has a white base with two adjustable feet and a central column supporting a circular measurement head. The head features a series of concentric rings. On the right is a close-up of the measurement head, showing a white probe with a thin tip positioned to measure the eye. The background is a stylized, futuristic design with blue and white curved lines and light effects.

Dry Eye Analyzer SW-6000D

SUOER Dry Eye Screening System (SW-6000D) a non-invasive comprehensive ocular surface analyzer, functions include NIKBUT Measurement, NIKTMH Measurement, Meibo-Scan and Imaging, Lipid Layer Filming, R-Scan and Analysis, Etc. Simple and fast to operate to shorten the measuring time with simplified operation process.

Technical data

Measuring Mode	Placido Cone
Coverage range of measurement	10.91mm (Diameter)
Measuring range of Curvature radius	5.5mm-10.0mm(33.75D-61.36D)
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Cornea Contact Lenses Fitting Function	
Keratoconus Detectiong Function	

Ophthalmic Wide Field Imaging System SW-8000



SUOER ROP Screener and ROP Screener Portable (SW-8000/SW-8000P) are world's first Wide Field Color Retinal Camera with Built-in Fluorescein Angiography for Retinopathy of Prematurity. Portable compact device capturing high-resolution images and the benefit of video recording. Simple to operate and a USB 3.0 compatible device can easily work with any laptop. Suitable for various screening scenarios.

Technical data

SW-8000 ROP is a Wide Field camera, very light with easy handling. Is integrating Light Source, Refractive compensation and High resolution Imaging system

Probe Diameter	8.1mm (smallest probe in the market)
Probe Weight	527.3gr (the lightest in the market)
Probe connectivity	USB3.0 Plug & Play
Wide Field of View	135° to 144°
Light Source	Color Light Source; Fluorescence Angiography
Center field of view	≥ 30 lp/mm
Middle field of view	$(\pm 22.5^\circ) \geq 20$ lp/mm
Edge field of view	$(\pm 45^\circ) \geq 15$ lp/mm
Illumination Source	white LED





Fundus Camera SW-8800



SUOER Fundus Camera (SW-8800): A compact device, high quality image, stereoscopic depth perception viewing, and the ability to capture a 65-degree angle of a single fundus photography without eye dilation, and Mosaic image of 128-degree

Technical data

General

Type of Photography	Color / Red-Free(Digital) IR(Digital) / Cobalt(Digital)
Angle of View	46.5°
Minimal Pupil Size	3.5 mm
Focus Adjustment Range	-25 to +25D (Without Compensation Lens)
Mosaic image (optional)	128°

Light Source

Observation Light Source	Infrared LED
Flash Light Source	White LED

Eye Fixation Lamp

Internal	LED Point, Orange
External	LED Point, Red
Working Distance	15 mm
Camera Resolution	10 Megapixels
Built-in Monitor	7.0 inch Color LCD Monitor

Mount Movement

Front and Back	85 mm
Side to Side	110 mm
Up and Down	30 mm
Chin Rest Movement:	60 mm

Electrical and Environmental

Power Supply	100V to 240V AC, 50/60Hz, 1.3 to 0.6A
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Operating Environment

Temperature	5 to 40°C
Humidity	≤80%
Atmospheric Pressure	700 hPa to 1060hPa

Physical Characteristics

Dimensions (W x D x H):	430 x 450 x 570 mm
Weight	Approximately 10Kg

Optional : FA , Mosaic