

SUOET Rebound Tonometer. Model.SW-500

AN ECONOMICAL, ACCURATE & PORTABLE USER-FRIENDLY TOOLS TO MEASURE IOP VALUE COMPARABLE TO GOLDMANN APPLANATION TONOMETRY.

- 1. Lightweight (145gm w/o battery), portable and accuracy comparable with Goldmann Applanation Tonometry.
 - 2. Can be used without anesthesia in OPD, OT, Patients on bed, ICU and Mass Glaucoma Screening Camp etc.

Cading of Optic Disc.

- 3. One year replacement warranty & conditional extended warranty against any manufacturing defect
 - 4. Wireless data printing (Optional mini printer with built-in rechargeable battery).
 - 5. Easy & user friendly operation, with L & R eye, IOP measurement in

mmHg. 6. Large memory to store, browse & print IOP data for

> 7. Presented with attractive Carry case for secure transportation.

> > 8. Least Power Consumption (2xAA Dry Cells)

Both L & R eyes of patients.



The SUOER

Schiortz

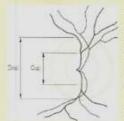
Rebound Tonometer (model. SW-500) requires minimal operator training to assess accurate IOP, without the use of anesthesia, comparable well, with Goldman Applanation Tonometer. The Sucer Rebound Tonometer (Sw-500) is lightweight, portable and very user friendly for regular use in busy Eye clinics, IOP Screening in Eye Camps and also for multi clinic use.

Its unique self- calibration technology have made it as one of the Fast IOP measuring portable instrument with repeatability in accuracy and patient comfort in comparison to Goldmann Applantion Tonometry or Non-Contact Tonometry. Outstanding features such as; large patient memory with left and right eye datas and optional wireless mini pocket printer to take hard copy of measured data has super seeded suoer Rebound Tonometer (SW-500) over its all global rivals.

PRINCIPLE

It follows a simple procedure where a very light disposable probe rebounds over the central comea from a fixed distance (approx. 5mm) with practically invisible & painless impact, there by displaying the IOP in no time.

In this technology the motion parameters of the light probe is recorded through an induction based coil system. Then advanced algorithm combined with latest computer software, analyzes the deceleration of probe, its contact time and other parameters while touching the cornea. This deceleration and other rebound parameter of probe ultimately results the IOP. In brief, higher the IOP, faster the deceleration of probe and shorter the probe contact time.

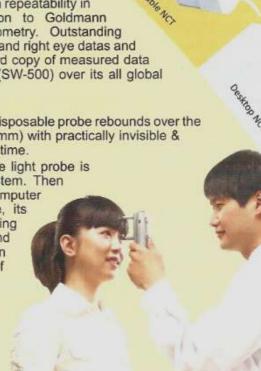


The ratio of horizontal diameter of physiological cup to that of horizontal diameter of Optic Disc, is known to be Cup-Disc Ratio and should be less than 0.5. If it exceeds or there is a difference in the ratio between two eyes or if there is a progressive enlargement

then GLAUCOMA may be suspected. One of the prime factors of GLAUCOMA is abnormal IOP. A perfect, fast and accurate

tonometer that can read IOP values comparable to Goldmann Applanation tonometry is the SUCER RE-BOUND TONOMETER : SW-500 a

technological advancement of 21" Century.





Technical Details of Suoer Rebound Tonometer: SW-500



Fig-1). Ultra light disposable probe used to measure IOP (resting on nozzle tip of SW-500) guarantees the safety from cross-infections.



Fig.-2). SW-500, probe-tip is held about 4-5 mm away from central cornea to touch it momentarily to read IOP, while Right or Left button is pushed.



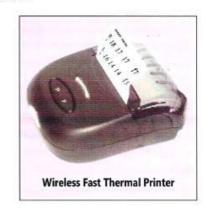
Fig-3). Clear digital display shows 3 IOP readings with Avg. (P). R & L buttons for selecting Eye, Enter to memorize and print data from memory.



Fig.4). Portable, Handy and Shock-Proof packing in attractive carry case, for secure transportation.







Parts of SUOER : SW-500

Perfect Way of Using SW-500

Perfect Way of Using SW-500

Perfect Way of Using SW-500

SW-500 RBT Reading in mmHg

Fig-8.). Graph shows a direct comparison of readings between GAT & SW-500 RBT (studied on 75 patients). The standard deviation is found to be within ± 2.00mmHg, a well accepted limit.



Fig.-9). Graph shows the comfortability feelings of patients (75 patients tested with both GAT & SW-500 RBT). COMFORTABILITY PARAMETER:-

1.- Most Comfortable

2.- Comfortable 3.- Least Comfortable;

4.- Irritating & uncomfortable .

Note: GAT: Goldmann Applanatio	n Tonometry	and RBT: Re-Bound	Tonometry

TECHNICAL SPECIFICATION		
	3mmHg~70mmHg.	
****	±1.5mmHg(3mmHg ≤ Intra-Ocular pressures ≤25mmHg) ±2.5mmHg (25mmHg < Intra-Ocular pressures ≤70mmHg)	
:	145 gm (w/o Battery) & 195 gm (with batteries)	
	2 x AA batteries	
:	(L) 410 x (W) 320 x (H) 90mm / 2.50 Kg (with Printer & Charger incl. Carry case)	
	CE & ISO Certified.	
*	SW-500, box of probes (100 Nos.), One spare nozzle, Carry case with Key.	
***	Mini Wire less Fast thermal Printer with Built in Re-chargeable battery and one Paper Roll, Battery Charger, additional Probes (box of 100 Nos.).	

Exclusively Distributed by :



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