

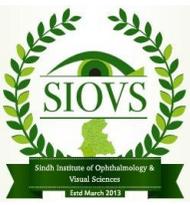
SINDH INSTITUTE OF OPHTHALMOLOGY & VISUAL SCIENCES (SIOVS), HYDERABAD

@ Eye Hospital Journalist Colony, Hyderabad

Phone: +92-22-9210351-2, Fax: +92-22-2106802

Website : www.siovs.edu.pk , E-mail: info@siovs.edu.pk

	<p><u>SCAN / SINGLE DELIVERY SPECIFICATION</u></p> <p>Spot size 100 to 500 μm (scan mode & auto manipulation mode) 50 to 500 μm (single mode)</p> <p>Emission pattern Single Square (2x2, 3x3, 4x4, 5x5), Circle, Arc (3/4 circle, 1/2 circle, 1/4 circle), Triple arc, Macular grid, Triangle, Line, Curve</p> <ul style="list-style-type: none"> • Complete with Original Table • Can be upgraded with LIO use • Can be upgraded with Endo use • Can be upgrade with Yellow & Red 				
02	<p>CRYOPEXY MACHINE</p> <ul style="list-style-type: none"> • Microprocessor Automated set-up and operation • Electronically controlled for quick repeated freeze /Defrost cycle. • Automatic purge ensures internal clearing of residual moisture. • Nitrous oxide (N₂O) or Carbon Di-oxide (CO₂) driven • External filter assures consistent performance and reliability <p>Console Feature:</p> <ul style="list-style-type: none"> • On-Screen icons: No Guesswork involved • System Status Icon: Light indicates “Ready” to freeze ,light indicates “Busy” when system is performing internal function, Acoustic signal • Time Display: Time elapsed when footswitch is pressed , shows cumulative freeze time for current probe. • Gas pressure: Status check for gas pressure function • Tip freezing indicator: Monitors probe function when probe is freezing optimally. 	01			
03	<p>Specular Microscope</p> <p>includes a unique function to capture par central images. The par central images are captured at eight points, 5° visual angle within a 0.25 mm x 0.55 mm.</p> <p>16 images are captured and automatically sorted based on quality and the ability to be analyzed.</p> <p>The optimal image for analysis is indicated with orange highlight.</p> <p>Rapid analysis increases the efficiency of the practice. Once the image is selected, complete analysis is automatically performed in two seconds</p>	01			



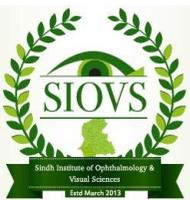
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	<p>The analysis screen allows visualization of the endothelial cells in four modes, trace, photo, area, and apex. comprehensive analysis including two histograms of variation in shape (pleomorphism) and size (polymegathism). 3-D auto tracking, auto shot, and tiltable touch screen provide ease of use. The built-in printer for an instant printout of the analyzed data and images of the endothelial cells. LED light source for flash, which reduces power consumption, Tiltable 8.4-inch color LCD touch screen</p>					
04	<p>Hematology Analyzer Parameters: 19: WBC, LY%, MO%, GR%, LY, MO, GR, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV, PLT, PCT, MPV, PDW Reagents: 1 hemolyzing reagent (cyanide free), 1 diluent, 2 detergents Reproducibility(CV%): WBC:<2.0,RBC:<1.5,HGB:<1.5,MCV:<1.0, PLT: < 4.0</p>	01				
05	<p>Water Bath Temperature Range: Ambient +5°C to 99°C Working Access: (L x W x D) 5" x 10.8" x 6" Overall Dimensions: (L x W x H) 14.5" x 12" x 10.5"</p>	01				
06	<p>Auto Pipettlor / Juster 0.5-50ul Eppendorf /Thermo / Discovery</p>	01				
07	<p>AUTOREFRACTOKERATOMETER</p> <ul style="list-style-type: none"> • ACCURATE REFRACTION MEASUREMENT • SUPER LUMINESCENT DIODE AND HIGHLY SENSITIVE CCD • OPTIMAL FOGGING TO MINIMIZE ACCOMMODATION • ACCOMMODATION MEASUREMENT WITH ARTIFICIAL INTELLIGENCE ALGORITHM • ASSESSMENT FOR INTERMEDIATE OR NEAR VISION LENS 	01				



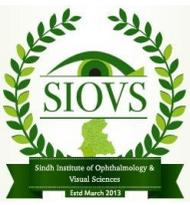
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	<ul style="list-style-type: none"> • KERATOMETRY MEASUREMENT WITH MIRE RING • 3-D AUTO TRACKING AND AUTO SHOT • TILTABLE COLOR LCD SCREEN • HIGH SPEED PRINTER WITH EASY LOADING & AUTO CUTTER • VA MEASUREMENT WITH BUILT-IN CHARTS AND LENSES • RECALL FUNCTION FOR INSTANT VISION COMPARISONS • CONTRAST AND GLARE TEST • RETROILLUMINATION IMAGE AND NIDEK CATARACT INDICES <p><u>AUTO KERATOMETER</u> Measurement rangeCurvature Radius: 5.00 to 13.00 (0.01mm increment) Refractive Power: 25.96 to 67.50D (n=1.3375) (0.01/0.12/0.25D increment) Cylindrical Power: 0 to ±12.00D (0.01/0.12/0.25D increment) Axis: 0 to 180° (1° / 5° increments) Sagittal Measurement 25° each from center Super side, inferior side, temporal side, nasal side)</p> <p><u>REFRACTION</u> Measurement rangeSphere -30.00 to +25.00 D (VD = 12 mm) 0.01/ 0.12 / 0.25 D incrementsCylinder 0 to ±12.00 D (0.01 / 0.12 / 0.25 D increments)Axis 0 to 180° (1° / 5° increments)Minimum measurable pupil diameter ø2 mmPD measurement range30 to 85 mm (1 mm increments) Complete with Local Motorized Stand</p>				
08	<p>A-Scan</p> <ul style="list-style-type: none"> • Large Touch screen operation with high-resolution backlit color LCD. • Complete measurement and calculation record within seconds. • Capture mode automatic and manual. • Ability to store up to five different user profiles. • USB for EMR archiving, SD disk for patient data storage. • A-Scan 10mm Calibration cylinder. • 10 Lens Database. • Preger Shell for water immersion technique.(optional) • Portable and compact weighing, Built in thermal printer. 	01			



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	SPECIFICATION Spring loaded Soft touch probes. A-probe frequency: 10 MHz. Measurements: ACD, Lens, Vitreous, Axial, Standard Deviation, Individual Zone Velocity. Examination modes: Direct contact, Immersion, Dense cataract, Aphakic, Pseudophakic, 4-Gate Manual. IOL programs: Regression II, Theoretic T, Binkhorst, Holladay, Hoffer Q, Haigis. Post refractive formulas: Laskany Myopic, Laskany Hyperopic & Aramberri Double-K. Measurements limits: AXL- 18-45. Clinical accuracy: ±0.10mm. Electrical accuracy: ±0.023mm Average and standard deviation computed for each reading. Measurement review mode. Primary voltage: AC90 ~ 250V. Power frequency: 50/60Hz. Maximum power consumption: 60W. (Country of origin USA/UK/JAPAN/GERMANY)				
09	Shaker for CP Bottles	01			

NATIONAL TAX No..... **SIGNATURE**

GST No: **NAME OF CONTRACTOR**

C.N.I.C No: **ADDRESS**

CELL NO

INSTRUCTIONS.

- 1.The tender should be accompanied with pay order / demand draft of 2.5% of quoted amount as security Deposit in the name of Sindh Institute of Ophthalmology & Visual Sciences (SIOVS) Hyderabad.
- 2.The Income Tax / GST/SST will be deducted according to rules of Govt: of Sindh / Pakistan
- 3.The tenderer will be responsible to deliver the tendered items on his own cost at SIOVS HYDERABAD
- 4.In case of short/late supply it will be purchased from open Market and difference if any will be recovered from the Contractor.
- 5.Conditional/ Incomplete Tenders will not be accepted.
- 6.Sample of all dry items should be provided at the time of opening of tender otherwise tender will be rejected.



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7. For alternate offer separate tender purchase receipt must be enclosed.
8. The tenderer should be fulfilling all requirements as per Government rules.
9. Minimum Two(02) Hundred Thousands turn over with Bank Certificate.
10. Minimum Three(03) Years Experience in relevant field with documentary proof.
11. Three Years(03) Income Tax Return (Photo Copy Must Enclosed).

Director,
Sindh Institute of Ophthalmology
& Visual Sciences, Hyderabad