**الموضوع: المواصفات الفنية لأجهزة شعبة العيون**

**Technical Specifications for *Ophthalmic Unit Qty (3)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | configuration | * Table Top for two Devices. * Electrical Height Adjustable Table Top. Dual Mode. * Column with illumination Lamp. * Chart Projector Holder. * Adjustable Knob of Slit lamp Light intensity. * Blocking Mechanism of a table top rotation. |
| 5 | Patient Chair | * Electrically up/down. * Reclinable. * Rotatable. * Arm reset and foot support. |
| 6 | Main Power | 220 - 240 VAC , 50 Hz |

**UN CODE : 85451101**

**الموضوع: المواصفات الفنية لأجهزة العيون**

**Technical Specifications for Mobile *Slit Lamp Qty (3)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | configuration | * Excellent sharp detailed images of the cornea, fundus, and endothelium. * Applanation Tonometer. * LED illumination Lamp. * Background illumination to be included. * Chin rest with vertical movement and fixation target. * Integrated digital camera. * Laptop at least 15 inches. * Patient software for archiving. * 90D lense and 78D lense. |
| 5 | Type | * Galilean magnification changer or equivalent with covering binocular tubes. |
| 6 | Variable magnification selection | * 5 steps magnification or better. |
| 7 | Eyepiece | * 12.5X or 16X |
| 8 | Field of view | * 7-36 mm or wider range. |
| 9 | Filters | * Blue * Red free * ND * Heat insulation   ***Other filter optional must be priced separately (IR cut, UV cut, Exciter/barrier).*** |
| 10 | Width of Slit Image | * 0-15 mm continuously or better. |
| 11 | Hieght of Slit Image | * 1-15 mm continuously or better. |
| 12 | Main Power | 220 - 240 VAC , 50 Hz |

**UN CODE : 42183015**

**الموضوع: المواصفات الفنية لأجهزة العيون**

**Technical Specifications for *Portable Slit Lamp Qty (1)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | configuration | * PD Adjustment. * Slit width adjustment (0-10 mm, continuously). * Filters – Green, Cobalt Blue, Heat absorption filters. * Diopter adjustment. * Illumination Control. * Rechargeable Lithium Battery (2 hours continuous reading). |
| 5 | Microscope | * Eyepiece: 10x, 16x or better. * Magnifications: 10x, 16x or better. * Diopter adjustment: +/-5D or better. * Visual field: to be mentioned. * PD range: please specify. * Working distance: to be mentioned. |
| 6 | Light source | High luminance white LED. |
| 7 | Accessories Included | * Carrying case. * 2 Batteries. * Battery Charger. * Forehead support. * Diopter adjustment bar. |
| 8 | Accessories (optional) | * Eyepiece. * Spare batteries. |
| 9 | Main Power | 220 - 240 VAC , 50 Hz |

**UN CODE : 42183015**

**الموضوع: المواصفات الفنية لأجهزة العيون**

**Technical Specifications for *Tonopen Qty (1)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | configuration | * Easy to use. * Small size, easy to carry. * Wireless output infrared thermal Printer. * Vertical and horizontal measurement modes. |
| 5 | Measure Range | * 3mmHg-70mmHg or better |
| 6 | Precision | Please specify |
| 7 | Disp tips | TO Be Mentioned |

**الموضوع: المواصفات الفنية لأجهزة العيون**

**Technical Specifications for *Indirect Laser Qty (1)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | configuration | * Should be compatible with green enforcement laser for lightmed, model: light las 532. * Should produce clear, high-resolution images of the fundus. * Should have 3 filters: red-free, cobalt blue, and yellow filters. * Should be optimized for small pupil sizes. * Should have synchronized adjustment of convergence and parallax. * Coaxial beam of observation, target laser and treatment laser beam should be available. * Should have 3 illumination spot sizes: small, medium and large. * Papillary distance adjustable. * Light Headset weight. |

**الموضوع: المواصفات الفنية لأجهزة العيون**

**Technical Specifications for *Ophthalmic Yag Laser Qty (1)***

|  |  |  |
| --- | --- | --- |
| **No.** | **Technical Specifications** | **Min KAUH Requirement** |
| 1 | Manufacturer | Please specify manufacturer and country of origin |
| 2 | Model Number | Please specify model number of the offered equipment |
| 3 | Safety standard | FDA approval or CE marking |
| 4 | configurations | * Refined laser delivery with lower energy. * SLT mode. * Clear and sharp field of view. * Precise aiming beam. * Optimized operating distance. * Unique joystick. * SLT-NAVI display on the progress of laser treatment. * Clear and sharp field of view. * Motorized rotatable aiming beam (YAG mode). * Precise edge aiming beam (SLT mode\*). * Utility S-switch. |
| 5 | YAG mode: Laser source | Q-switched Nd:YAG |
| 6 | Wavelength | 1,064 nm |
| 7 | Pulse width | 3 ns |
| 8 | Pulse repetition rate | 3 Hz (single) / 1.5 Hz (burst) |
| 9 | Output energy | 0.3 to 10.0 mJ / pulse |
| 10 | Burst mode | 1, 2 and 3 pulses per trigger |
| 11 | Spot size | 8 μm |
| 12 | Cone angle | 16º |
| 13 | Focus shift | 0 to ±500 μm |
| 14 | Aiming beam | 635 nm / OFF, 0.5 to 25 μW |
| 15 | SLT mode:Laser source | Q-switched, frequency doubled Nd:YAG |
| 16 | Wavelength | 532 nm |
| 17 | Pulse width | 3 ns |
| 18 | Pulse repetition rate | 3 Hz |
| 19 | Output energy | 0.3 to 3.0 mJ / pulse |
| 20 | Spot size | 400 μm |
| 21 | Cone angle | 5.5° |
| 22 | Aiming beam | 635 nm / OFF, 0.04 to 0.3 mW |
| 23 | Slit Lamp | **Illumination:** LED lamp.  **Magnification (field of view):**   * 5x (40.7 mm), 8x (25.7 mm), 12.5x (16.1 mm). * 20x (10.1 mm), 32x (6.4 mm). |
| 24 | Optionalaccessories | Foot switch, stand for control box, safety goggles |
| 25 | Main Power | 220 - 240 VAC , 50 Hz |