OTM-03 - Electrosurgical Unit

**Description**

*Electrosurgical unit for cutting and coagulating (monopolar and bipolar) during surgery (major and minor)*

**Reference Picture**

***Note:*** *The images below are intended solely as a guiding support and should be considered as purely indicative and not restrictive of the expected item characteristics*



| Brand / Marque | |  | |
| --- | --- | --- | --- |
| Model / Modèle | |  | |
| Model code as per manufacturer classification / Numéro de référence du produit fournisseur | |  | |
| Manufacturer name / Nom du Fabricant | |  | |
| Manufacturing site / Site du Fabricant | |  | |
| Country of manufacturing / Pays de fabrication | |  | |
| Country of origin / Pays d'origine | |  | |

|  | **UNOPS Minimum technical requirements // Exigences techniques minimales de l'UNOPS** | **Complies (Yes/No) // Conforme (Oui/Non)** | **Comments/ Technical data //**  **Commentaires/Données techniques** |
| --- | --- | --- | --- |
| **A** | **Functionality and Performance / Fonctionnalité et performances** |  |  |
|  | **General description** |  |  |
| 1 | Electrical requirements: power source 220V+/- 10%, 50/60 Hz, single phase, connection type F plug |  |  |
| 2 | Protections against over-voltage and over-current line conditions. |  |  |
| 3 | Microprocessor controlled. |  |  |
| 4 | Mounted on a cart with at least four (4) wheels, with brakes on at least one (1) of them. |  |  |
| 5 | The cart must have a place to transport the foot control on it. |  |  |
| 6 | The cart shall be of the same brand of the equipment or recommended by the manufacturer of the equipment. |  |  |
| 7 | Solid state equipment with isolated high frequency exit. |  |  |
| 8 | Work frequencies between 350-600Khz for cutting and 200-600Khz for coagulation. |  |  |
| 9 | At least one coagulation setup with a crest wave factor of at least 3. |  |  |
| 10 | Monopolar and bipolar functioning. |  |  |
| 11 | The equipment shall provide: pure cut, pure coagulation, mixed cut and coagulation. |  |  |
| 12 | Display and keyboard for all parameters visualization and setting. |  |  |
| 13 | Power control in the main panel. |  |  |
| 14 | Foot control. |  |  |
| 15 | Audio-visual indicators of operation. |  |  |
| 16 | Monitoring system of the electrode-patient connection of at least 1Khz measurement frequency. |  |  |
| 17 | Automatic power tuning with dynamic control and automatic stop in case of any working problem. |  |  |
| 18 | Protection against defibrillator discharges. |  |  |
| 19 | Convection refrigeration without ventilator. |  |  |
| 20 | Minimum nominal high frequency output powers for cutting:   * + Monopolar 300 W at 500 ohms   + Bipolar 70W at 500 ohms |  |  |
| 21 | Minimum nominal high frequency output powers for coagulation:   * + Bipolar 70W at 125 ohms   + Monopolar spray 100 W at 500 ohms   + Monopolar forced 120 at 350 ohms |  |  |
|  | **Accessories** |  |  |
| 1 | Two (2) reusable pencil electrodes. |  |  |
| 2 | One hundred (100) disposable pencil electrodes. |  |  |
| 3 | Two (2) reusable return electrodes. |  |  |
| 4 | One hundred (100) disposable return electrodes. |  |  |
| 5 | All cords and cables necessary for the correct operation. |  |  |
| **B** | **Certifications and post sales included in the offered price** |  |  |
| 1 | The Supplier, included in the offered price, will provide the post sales services described in the document “*OT-PS Type III post sales requirements for Medical Devices*”. |  |  |
| **D** | **ANY DEVIATIONS OR SUPERIOR CHARACTERISTICS MUST BE INDICATED BELOW // TOUTE DÉVIATION OU CARACTÉRISTIQUE SUPÉRIEURE DOIT ÊTRE INDIQUÉE CI-DESSOUS\* :** | | |
|  | | |