Electrosurgical Units

STERIS GI 4000

ABOUT

The **Steris GI 4000** electrosurgery unit is specifically designed for flexible endoscopy and incorporates monopolar, bipolar, and avage functions in one compact unit. It offers argon coagulation, two pulse cut modes for sphincterotomy, true gastrointestinal (GI) bipolar capabilities, TouchSoft® coagulation, and various options for polypectomy. Additionally, it supports Endoscopic Mucosal Resection (EMR), Endoscopic Submucosal Dissection (ESD), and Peroral Endoscopic Myotomy (POEM).

FEATURES

An intuitive touch screen that allows you to select modalities and conduct thermal therapies with easy setup instructions on every screen

Advanced tissue sensing and automatic output control ensure consistent results in tissue analysis.

All outputs are designed for endoscopy procedures, and the automatic power delivery system is specifically crafted for endoscopic use.

The ArC Smart argon coagulation system is designed to ensure precise beam and energy delivery.

Touchsoft Coagulator monopolar probe is designed for contact coagulation or tissue ablation.

DIMENSIONS

Width: 19.5” (49.5 cm)

Height: 7” (17.8 cm)

Depth: 18” (45.7 cm)

Weight: 27.5 (12.5 kg)

Steris GI 4000

SPECIFICATIONS

OPERATING MODE

Temperature: -40 to 158°F (-40 to 70°C)

Humidity: 10% to 95% non-condensing

Atmospheric Pressure: 14.8 to 31.3 in Hg (500 to 1060 hPa)

Acclimation: If the gi4000 ESU has been stored or transported at temperatures below 50 to 104°F (10 to 40°C), the unit will require approximately three (3) hours to acclimate at room temperature 59 to 77°F (15 to 25°C) before use.

POWER INPUT

Characteristics Input Mains Voltage, Full Regulation: 100-240 V~

Mains Line Frequency Range (Nominal): 50-60 Hz

Input Mains Current:

- 100 V~ 5.0A
- 120 V~ 4.0A
- 240 V~ 2.0A

POWER OUTPUT

General Output Characteristics

All modes (output variation as a function of line voltage variations): Less than -+5%

Maximum Output Power (Cut Mode into 500 ohms): 240W

Output Frequency Range: 315-550 kHz

Maximum Output Peak Voltage (Open Circuit

ARGON Mode): 4750V

LEAKAGE

Low Frequency (50-60 Hz) Leakage Current

- Chassis to Neutral Line
  - Polarity to Nominal (Ground Open): < 150 µA
  - Line Polarity Reversed (Ground Open): < 150 µA

Patient Leads to Neutral (All RF Active and Patient Plate)

- Line Polarity to Nominal (Ground Open): < 10 µA
- Line Polarity Reversed (Ground Open): < 150 µA

Radio Frequency (RF) Leakage Current

- Monopolar Method (All Modes at Maximum Power Setting)
  - Patient Plate to Ground: < 150 µA
  - Active to Ground: < 150 µA

Bipolar Method (Maximum Power Setting)

- Each Lead to Ground: < 54 µA.

DUTY CYCLE

Generator power is continuously ON when the unit is powered ON. All modes under maximum power settings and rated load conditions (monopolar modes: 500Ω, bipolar mode: 100Ω) have an output activation time of 10 sec ON / 30 sec OFF.

ARGON

Roboust arc length without sacrificing limited tissue depth

Small argon gas canister included

Quick ignition

Steris GI 4000

SPECIFICATIONS

MONOPOLAR

Touchsoft coagulation: low voltage for gente, depth-limited coagulation

Coag: standard snare polypectomy

Pulse blend cut: controlled cutting with adequate hemostasis

Blend Cut: controlled cutting but not fractionated

Pulse Cut: controlled pulsed cutting for minimal coag

Cut: Constant maximum cut, minimum coagulation.

BIPOLAR

GI/Endo Bipolar

LAVAGE

Always ready

Pump with adjustable flow rates