

ERBE ERBOTOM ICC 200



ERBE ERBOTOM ICC 200 FEATURES

The Erbe Erbotom ICC 200 is an Electrosurgical Unit that offers more than 200 watts of output. The ERBE ICC 200 has a variety of coagulation cutting modes; Auto Cut, Endo Cut, Forced Coagulation, Soft Coagulation, and Bipolar Coagulation. The Erbe Electrosurgical Unit offers a cutting control - that can be used for sharply defined and reproducible cutting quality. As well as an Endo Cut which offers the best controls in cutting and can be used in Polypectomy to remove polyps and for cutting during the papillotomy procedure.

- Endo cut for use with snare wires and sphincterotomes.
- Power on Demand - As much as necessary, as little as possible
- Forced Coag
- Soft Coag
- Expandable for Argon use

COAGULATION CUTTING MODES

AUTO CUT - Automatic open and closed loop control system, cutting quality that is guaranteed to be able to be reproducible and consistent.

ENDO CUT -For use with snare wires and sphincterotomes.

FORCED COAGULATION - Unique and efficient way to stop the flow of blood by creating sparks with small surface electrodes, such as TUR resection loops.

SOFT COAGULATION - Can be activated by key or Pedal attached to the machine.

BIPOLAR COAGULATION - Offers consistence cutting control, the voltage is lower than 200Vp.

ERBE ERBOTOM ICC 200 SPECIFICATIONS

DIMENSIONS

- Width: 280mm (5.9in)
- Height:152 mm (11in)
- Depth: 368 mm (14.5 in)
- Weight: 8 kg (17.6 lbs)

OPERATING MODE

- **INTERMITTENT OPERATION:** On time 25 % (e.g. activated for 10 sec. / deactivated for 30 sec.)

ENVIRONMENTAL CONDITIONS FOR SHIPPING AND STORAGE OF THE UNIT

- **Temperature:** -40°C to + 70°C
- Air Humidity, reactive: 10% to 95%

ENVIRONMENTAL CONDITIONS FOR OPERATION OF THE UNIT

- **TEMPERATURE:** +10°C to + 40°C
- Air Humidity, reactive: 130% to 75%, noncondensing

POWER CONDITIONS

- **RATED POWER VOLTAGE:** 240 V / 230 V / 115 V / 110 V / 100 V \pm 10 %
- **RATED POWER FREQUENCY:** 50 / 60 Hz
- **POWER CURRENT:** 3.0 A at 230 - 240 V / 6.0 A at 100 - 115 V
- **POWER CONSUMPTION IN STANDBY MODE:** 25 Watts
- **POWER CONSUMPTION AT MAX. HF POWER:** 450 Watts 690 VA
- **CURRENT CONSUMPTION IN STANDBY MODE:** 150 mA at 230 - 240 V / 300 mA at 100 - 115 V
- **POTENTIAL EQUALIZATION TERMINAL:** Yes
- **POWER FUSE:** 2 slow burn, 4 A at 230 - 240 V / 8 A at 100 - 115 V

ENERGY

- Max. Energy Output (At Rated Ohms) (Systems) Up To 250 Watt 200
- Max Voltage, Vp-P (Systems) Software Controlled
- Max. Energy Output (At Rated Ohms) (Systems) Up To 150 Watt 120
- Max Voltage, Vp-P (Systems) 380 Soft, 5,600 Spray
- Bipolar (Systems) Coagulate
- Max. Energy Output (At Rated Ohms) (Systems) Up To 150 Watt 120
- Max Voltage, Vp-P (Systems) 380

CUTTING/ AUTO CUT WITH AUTOMATIC VOLTAGE CONTROL

- HF voltage waveform unmodulated sinusoidal alternating voltage
- Crest factor C, at RL=500 ohms C = 1.4 for all settings
- Rated frequency 330 kHz Maximum HF voltage at RL= ∞ 600 Vp
- Dynamic internal impedance in the rated load range 0 ohms
- Cutting quality 4 coagulation effects selectable
- Consistency of 4 coagulation effects automatically controlled.
- HF rated power 200 watts at RL = 500 ohms H
- HF power limitation 1 to 200 watts in 1-watt steps
- Setting the HF power limitation via up/down keys
- Display of HF power limitation 7-segment display, 3 decimal places

- Precision of the HF power limitation +/- 1 digit or +/- 15%
- Automatic power control (PPS) yes Activation of the cutting mode via key or via pedal

SOFT COAGULATION

- HF voltage waveform unmodulated sinusoidal alternating voltage
- Crest factor C, at RL = 500 ohms C = 1.4 for all settings
- Rated frequency of the HF voltage 330 kHz
- Peak value of the HF voltage max. 190 Vp
- Constancy of the HF voltage automatically controlled up to PHFmax.
- HF rated power 120 watts at 125 ohms.
- HF power limitation (PHFmax.) from 1 watt to 120 watts in 1-watt steps
- Setting of the HF power limitation via up/down keys
- Display of the HF power limitation 7-segment display, 3 decimal places
- Precision of the HF power limitation +/- 1 digit or +/- 15%
- Activation of Soft coagulation via key or via pedal

FORCED COAGULATION

- HF voltage waveform pulse-modulated alternating current (ST generator)
- Crest factor C, at RL=500 ohms C = 5 at 120 Wmax, C = 11 at 5 Wmax
- Rated frequency of the HF voltage 1 MHz
- Peak value of the HF voltage, Version 1 max. 1300 Vp
- Peak value of the HF voltage, Version 2 max. 2300 Vp
- Peak value of the HF voltage, Version 3 max. 2300 Vp
- HF rated power 120 watts at 350 ohms.
- HF power limitation from 1 watt to 120 watts in 1-watt steps
- Setting of the HF power limitation via up/down keys
- Stability of the HF power see diagram Forc. Coag. power via RL
- Display of the HF power limitation 7-segment display, 3 decimal places
- Precision of the HF power limitation +/- 1 digit or +/- 15%
- Activation of the Forced coagulation via key or via pedal