



ELECTROSURGICAL UNITS

KENTAMED *hARTT* family



APPLICATION: Any surgical procedure including monopolar and bipolar laparoscopic applications and applications in wet environment.

USE: From offices to operating rooms

DESCRIPTION: The four models of the **KENTAMED hARTT** family are based on a proprietary technology that guarantees hardware Adjusted Response to Tissue Type.

hARTT 200 can be used in any surgical setting – from office-based surgery to big operating theaters.

hARTT 250 is for those who require more power.

hARTT 300 is the electro-surgical unit with no limits in open and laparoscopic surgery.

hARTT 400 adds the option of **plasma** cutting with various instruments in saline.

- ❖ Microprocessor controlled
- ❖ 6 operating modes:
 - CUT and BLEND offer reliable performance through various types of tissue.
 - All models offer two COAG modes with opposing characteristics: COAG provides deep non-carbonizing coagulation whereas FORCED is superficial and sparking. With special electrodes FORCED can mimic the behavior of electro-surgical spray
 - In the bipolar section the models offer immaculate bipolar coagulation capable of vessel sealing as well as bipolar cutting
- ❖ Settings of each mode are stored independently and kept even when the unit is switched off
- ❖ Timer can be used in each mode to secure reproducibility of certain procedures
- ❖ Output power failure detection system
- ❖ 3 year warranty

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Technical Characteristics

| Mode | Maximal Output Power | | | | Crest Factor |
|----------------------------|---|------------------|------------------|------------------|--------------|
| | <i>hARTT</i> 200 | <i>hARTT</i> 250 | <i>hARTT</i> 300 | <i>hARTT</i> 400 | |
| CUT | 200W / 500Ω | 250W / 500Ω | 300W / 500Ω | 400W / 500Ω | 1.5 |
| Blend CUT | 120 W / 500Ω | 150W / 500Ω | 180W / 500Ω | 240W / 500Ω | 1.9 |
| Bi CUT | 120W / 150Ω | 120W / 150 Ω | 120W / 150Ω | 400W / 50Ω | 1.5 |
| COAG | 120W / 150Ω | 130W / 150Ω | 150W / 150Ω | 150W / 150Ω | 1.5 |
| Forced COAG | 80W / 500Ω | 80W / 500 Ω | 80W / 500Ω | 100W / 500Ω | 3.6 |
| Bi COAG | 120W / 50Ω | 130 W / 50Ω | 150W / 50Ω | 150W / 50Ω | 1.5 |
| Operating Frequency [kHz] | 357 | | | | |
| Modulation Frequency [kHz] | 33 | | | | |
| Patient Safety | NEMSY (Neutral Electrode Monitoring System) | | | | |
| Activation | Twin Footswitch and Hand-switch Pencil | | | | |
| Duty Cycle | 10/30 | | | | |
| Safety Class/MDD Class | I/IIb | | | | |
| Applied Parts Type | BF | | | | |
| Dimensions [mm] | 280x430x150 | | | | |
| Weight [kg] | 14.4 | | | | |

STANDARD SET OF ACCESSORIES:

- ✓ 1 reusable finger-switch handle with 3 m cable
- ✓ 6 monopolar electrodes
- ✓ 10 single use split neutral electrodes (NE)
- ✓ 1 reusable cable for split NE
- ✓ 1 bipolar cable 3 m
- ✓ 1 bipolar forceps
- ✓ 1 twin footswitch
- ✓ user manual

OTHER ACCESSORIES – available upon request

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Distributor: