



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 flawless 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 200</i>	<i>hARTT 250</i>	<i>hARTT 300</i>	<i>hARTT 400</i>	
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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