



# 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

# KENTAMED *hARTT family*

## 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

#### Manufacturer:

**KENTAMED Ltd.**

41, Nestor Abadjiev St.

POB 203, Plovdiv 4023, Bulgaria

tel./fax: +359 32 622 934

e-mail: sales@kentamed.com

**www.kentamed.com**



#### Distributor: