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 electrosurgical 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 electrosurgical 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 hAR TT family

## Technical Characteristics

<table>
<thead>
<tr>
<th>Mode</th>
<th>Maximal Output Power</th>
<th>Crest Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>hAR TT 200</td>
<td>hAR TT 250</td>
</tr>
<tr>
<td>CUT</td>
<td>200W / 500Ω</td>
<td>250W / 500Ω</td>
</tr>
<tr>
<td>Blend CUT</td>
<td>120 W / 500Ω</td>
<td>150W / 500Ω</td>
</tr>
<tr>
<td>Bi CUT</td>
<td>120W / 150Ω</td>
<td>120W / 150Ω</td>
</tr>
<tr>
<td>COAG</td>
<td>120W / 150Ω</td>
<td>130W / 150Ω</td>
</tr>
<tr>
<td>Forced COAG</td>
<td>80W / 500Ω</td>
<td>80W / 500Ω</td>
</tr>
<tr>
<td>Bi COAG</td>
<td>120W / 50Ω</td>
<td>130W / 50Ω</td>
</tr>
</tbody>
</table>

- **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
- 5 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.
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POB 203, Plovdiv 4023, Bulgaria
tel./fax: +359 32 622 934
e-mail: sales@kentamed.com
www.kentamed.com

Distributor:
TUV NORD
ISO 9001/ISO 13485


11/2015