HUMAN MEDITEK
Low Temperature Hydrogen Peroxide Sterilizer
HUMAN MEDITEK aims to achieve sustained, long-term growth by providing high-quality sterilizers and by contributing to the realization of an innovative technology.
HMTS-Series registered in **53** Countries world-wide
Participated in over **45** Medical Device Exhibitions and Sterilization Congresses for 15 years

**AMERICAS**
- Canada
- Mexico
- Brazil
- Ecuador
- Chile
- Columbia
- Venezuela
- Peru

**EUROPE**
- Belgium
- Greece
- Italy
- Portugal
- Spain
- Switzerland
- Austria
- Turkey
- Norway
- Bulgaria
- Czech
- Russia
- Kazakhstan
- Sweden
- Netherlands
- Denmark
- Slovakia
- UK
- France

**THE MIDDLE EAST**
- Iran
- Saudi Arabia
- UAE
- Syria
- Egypt
- Jordan
- Kuwait
- Lebanon

**ASIA / OCEANIA**
- Korea
- Japan
- China
- Thailand
- India
- Indonesia
- Singapore
- Taiwan
- Vietnam
- Sri Lanka
- Philippines
- Australia
- New Zealand

**2008. 05**
Innovative Product Award by Prime Minister of Korea

**2008. 05**
Awarded “Export Tower Prize” from KITA

**2009. 02**
Launched “HMTS-80E” and “HMTS-40E”

**2009. 12**
Acquired ISO 14973 Certificate (SMP)

**2011. 02**
Launched “HMTS-30E”

**2013. 07**
Acquired Olympus Endoscope Sterilization Certificate

**2013. 11**
Awarded “The Majestic Five Continent Award” for Quality and Excellence

**2017. 01**
Developed ENDO-Mode System

**2017. 10**
Acquired Pentax Endoscope Sterilization Certificate

**2017. 11**
Acquired Prion Inactivation Certificate

**2018**
NEW HMTS-142 Launch Scheduled

**REFERENCE**

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- Singapore
- Taiwan
- Vietnam
- Sri Lanka
- Philippines
- Australia
- New Zealand
Our mission is to continually develop our services to ensure that patient care is never compromised. Human Meditek offers a comprehensive customer service solution including training, maintenance, repair and supply of spare parts. The network of authorized dealers provides maintenance assistance and customer service worldwide while our dedicated, highly skilled team of professionals at Human Meditek provides outstanding back-up support to guarantee HMTS-Series will be at its peak performance with minimum downtime and maximum predictability. We pride ourselves on offering a high quality, friendly, knowledgeable and professional service to our customers worldwide.
Low Temperature Hydrogen Peroxide Sterilizer

HMTS SERIES

- Up to 89% chamber volume usage
- Up to 18 cycles per one sterilant bottle
- Safe and eco-friendly drain system
- Thousands of devices listed for compatibility
- Double door option available
HMTS-30E

HMTS-30E offers speed and versatility in a compact low temperature sterilizer. The rapid 25 minute SURFACE Mode with 30L usable chamber volume is the ideal choice for anywhere in the hospital.

**Dimensions and Weight**

<table>
<thead>
<tr>
<th>Size</th>
<th>Width 740 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Height 825 mm</td>
</tr>
<tr>
<td></td>
<td>Depth 725 mm (With Cart) 1350 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>160 kg</td>
</tr>
</tbody>
</table>

**Sterilization Chamber**

<table>
<thead>
<tr>
<th>Total Volume</th>
<th>34 L (1.2 cubic feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable Volume</td>
<td>30 L (1.0 cubic feet)</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>340 mm x 170 mm x 600 mm</td>
</tr>
<tr>
<td>Shelf Strength</td>
<td>25 kg</td>
</tr>
<tr>
<td>Shelf Dimensions (W x D)</td>
<td>320 mm x 560 mm</td>
</tr>
</tbody>
</table>

---

**STERILIZATION MODE OVERVIEW**

<table>
<thead>
<tr>
<th>SURFACE MODE</th>
<th>25 min</th>
<th>STANDARD MODE</th>
<th>27 min</th>
<th>ADVANCE MODE</th>
<th>39 min</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Quick</strong></td>
<td>Surface Sterilization Cycle</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• General metal/non-metal devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Non lumen rigid, semi-rigid endoscopes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Conventional</strong></th>
<th>Flexible Lumen Sterilization Cycle with Extra Loads</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Ten(10) Polyethylene and Teflon lumen instruments with:</td>
</tr>
<tr>
<td></td>
<td>Internal diameter of 1 mm or larger and a length of 500 mm or shorter</td>
</tr>
<tr>
<td></td>
<td>• One single channel flexible endoscope with:</td>
</tr>
<tr>
<td></td>
<td>Internal diameter of 1 mm or larger and a length of 850 mm or shorter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Versatile</strong></th>
<th>Flexible/Rigid Sterilization Cycle with Extra Loads</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• Ten(10) Stainless steel lumen instruments with:</td>
</tr>
<tr>
<td></td>
<td>Internal diameter of 1 mm or larger and a length of 500 mm or shorter</td>
</tr>
<tr>
<td></td>
<td>• Five(5) Stainless steel lumen instruments with:</td>
</tr>
<tr>
<td></td>
<td>Internal diameter of 0.77 mm or larger and a length of 500 mm or shorter</td>
</tr>
</tbody>
</table>

One shelf of the chamber can be used in SURFACE mode.
Max. loading weight: 1.89kg (4.1lbs)

Up to two shelves of the chamber may be used in STANDARD mode.
Max. loading weight: 3.72kg (8.2lbs)

Up to two shelves of the chamber may be used in ADVANCED mode.
Max. loading weight: 3.72kg (8.2lbs)

<table>
<thead>
<tr>
<th>No. of cycle/H₂O₂ bottle</th>
<th>18 cycles</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>12 cycles</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>9 cycles</th>
</tr>
</thead>
</table>

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.
HMTS-80E is the most popular model in the HMTS lineup. With a large chamber and four cycle options to process a wide variety of medical devices, HMTS-80E enables customers to enhance overall productivity and enable a high standard of patient care.

### Dimensions and Weight

<table>
<thead>
<tr>
<th>Size</th>
<th>Width 750 mm</th>
<th>Height* 1670 mm</th>
<th>Depth 835 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>430 kg</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Sterilization Chamber

| Total Volume | 80 L (2.83 cubic feet) |
| Usable Volume | 71 L (2.5 cubic feet) |
| Dimensions (W x H x D) | 0400 mm x 650 mm (D) |
| Shelf Strength | 35 kg |
| Shelf Dimensions (W x D) | Upper: 380 mm x 635 mm |
| | Lower: 260 mm x 635mm |

### Sterilization Mode Overview

**SURFACE MODE**

25 min

- **Quick** Surface Sterilization Cycle
  - General metal/non-metal, non-lumened devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces
  - Non-lumen rigid, semi-rigid endoscopes

**ENDO MODE**

38 min

- **Efficient** Flexible Endoscope Sterilization Cycle
  - **Two(2)** Single channel flexible endoscopes with:
    - Internal diameter of 1mm or larger and a length of 850mm or shorter
  - **One(1)** Dual channel flexible endoscope with:
    - Internal diameter of 1mm or larger and a length for one channel of 998mm or shorter and the other channel of 850mm or shorter

**STANDARD MODE**

38 min

- **Conventional** Flexible Lumen Sterilization Cycle with Extra Loads
  - **Ten(10)** Polyethylene and Teflon lumen instruments with:
    - Internal diameter of 1mm or larger and a length of 500mm or shorter
  - **One(1)** Long Polyethylene and Teflon lumen instruments with:
    - Internal diameter of 1mm or larger and a length of 1600mm or shorter

**ADVANCE MODE**

53 min

- **Versatile** Flexible/Rigid Sterilization Cycle with Extra Loads
  - **Ten(10)** Stainless steel lumen instruments with:
    - Internal diameter of 1mm or larger and a length of 500mm or shorter
  - **Five(5)** Stainless steel lumen instruments with:
    - Internal diameter of 0.77mm or larger and a length of 500mm or shorter

One shelf of the chamber can be used in SURFACE mode.

Max. loading weight: 4.45kg (9.8lbs)

Up to two shelves of the chamber may be used in ENDO mode.

*Only Flexible Endoscopes with accessories may be loaded in ENDO mode.

Up to two shelves of the chamber may be used in STANDARD mode.

Max. loading weight: 8.9kg (19.6lbs)

Up to two shelves of the chamber may be used in ADVANCED mode.

Max. loading weight: 8.9kg (19.6lbs)

<table>
<thead>
<tr>
<th>No. of cycle/H₂O₂ bottle</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>No. of cycle/H₂O₂ bottle</th>
</tr>
</thead>
<tbody>
<tr>
<td>14 cycles</td>
<td>15 cycles</td>
<td>10 cycles</td>
<td>8 cycles</td>
</tr>
</tbody>
</table>

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.
**HMTS-142**

HMTS-142 is the most advanced low temperature hydrogen peroxide sterilizer from Human Meditek. With the large 142L chamber and optimized cycle options, HMTS-142 allows the customers to process more loads* and a wide variety of medical devices quickly, safely and efficiently.

*Up to three(3) flexible surgical endoscopes with accessories.

### Dimensions and Weight

<table>
<thead>
<tr>
<th>Size</th>
<th>Width 833 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height*</td>
<td>1688 mm</td>
</tr>
<tr>
<td>*Including built-in wheels</td>
<td></td>
</tr>
<tr>
<td>Depth</td>
<td>1016 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>550 kg</td>
</tr>
</tbody>
</table>

### Sterilization Chamber

<table>
<thead>
<tr>
<th>Total Volume</th>
<th>142 L (5.01 cubic feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable Volume</td>
<td>120 L (4.24 cubic feet)</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>425 mm x 425 mm x 790 mm</td>
</tr>
<tr>
<td>Shelf Strength</td>
<td>35 kg</td>
</tr>
<tr>
<td>Shelf Dimensions (W x D)</td>
<td>Upper: 415 mm x 775 mm</td>
</tr>
<tr>
<td></td>
<td>Lower: 410 mm x 775mm</td>
</tr>
</tbody>
</table>

### Sterilization Mode Overview

<table>
<thead>
<tr>
<th>Mode</th>
<th>Time (min)</th>
<th>Description</th>
<th>Cycles</th>
<th>Bottles</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Surface Mode</strong></td>
<td>35</td>
<td>Quick Surface Sterilization Cycle</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• General metal/non-metal, non-lumened devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Non lumen rigid, semi-rigid endoscopes</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Endo Mode</strong></td>
<td>50</td>
<td>Efficient Flexible Endoscope Sterilization Cycle</td>
<td>7</td>
<td>7</td>
</tr>
</tbody>
</table>
|               |            | • Three(3) Single channel flexible endoscopes with:
|               |            |   Internal diameter of 1mm or larger and a length of 850mm or shorter |
|               |            | • Two(2) Dual channel flexible endoscope with:
|               |            |   Internal diameter of 1mm or larger and a length for one channel of 998mm or shorter and the other channel of 850mm or shorter |
| **Standard Mode** | 62        | Conventional Flexible Lumen Sterilization Cycle with Extra Loads | 12     | 12      |
|               |            | • Ten(10) Polyethylene and Teflon lumen instruments with:
|               |            |   Internal diameter of 1mm or larger and a length of 1200mm or shorter |
|               |            | • One(1) Long Polyethylene and Teflon lumen instruments with:
|               |            |   Internal diameter of 1mm or larger and a length of 4000mm or shorter |
| **Advance Mode** | 68         | Versatile Flexible/Rigid Sterilization Cycle with Extra Loads | 12     | 12      |
|               |            | • Ten(10) Stainless steel lumen instruments with:
|               |            |   Internal diameter of 1mm or larger and a length of 500mm or shorter |
|               |            | • Five(5) Stainless steel lumen instruments with:
|               |            |   Internal diameter of 0.77mm or larger and a length of 500mm or shorter |

One shelf of the chamber can be used in SURFACE mode.
Max. loading weight: 7.4kg (16.3lbs)

Up to three shelves of the chamber may be used in ENDO mode.
*Only Flexible Endoscopes with accessories may be loaded in ENDO mode.
Max. loading weight: 14.8kg (32.6lbs)

Up to two shelves of the chamber may be used in STANDARD mode.
Max. loading weight: 14.8kg (32.6lbs)

Up to two shelves of the chamber may be used in ADVANCED mode.
Max. loading weight: 14.8kg (32.6lbs)

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* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.
HMTS-142D

HMTS-142D is a pass-through low temperature hydrogen peroxide sterilizer designed for the Central Sterile Services Departments with a need for an isolated clean room. The automatic sliding door allows for easy loading and increase productivity.

**Dimensions and Weight**

<table>
<thead>
<tr>
<th>Size</th>
<th>Width 1050 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height*</td>
<td>1688 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>1075 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>640 kg</td>
</tr>
</tbody>
</table>

*Including built-in wheels

**Sterilization Chamber**

<table>
<thead>
<tr>
<th>Total Volume</th>
<th>142 L (5.01 cubic feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Usable Volume</td>
<td>120 L (4.24 cubic feet)</td>
</tr>
<tr>
<td>Dimensions (W x H x D)</td>
<td>425 mm x 425 mm x 790 mm</td>
</tr>
<tr>
<td>Shelf Strength</td>
<td>35 kg</td>
</tr>
<tr>
<td>Shelf Dimensions (W x D)</td>
<td>Upper: 415 mm x 775 mm</td>
</tr>
<tr>
<td></td>
<td>Lower: 410 mm x 775 mm</td>
</tr>
</tbody>
</table>

**STERILIZATION MODE OVERVIEW**

<table>
<thead>
<tr>
<th>SURFACE MODE 35 min</th>
<th>ENDO MODE 50 min</th>
<th>STANDARD MODE 62 min</th>
<th>ADVANCE MODE 68 min</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>General metal/non-metal, non-lumened devices requiring surface sterilization, or sterilization of mated stainless steel or titanium surfaces</td>
<td></td>
<td>Three(3) Single channel flexible endoscopes with:</td>
</tr>
<tr>
<td></td>
<td>Non lumen rigid, semi-rigid endoscopes</td>
<td></td>
<td>Internal diameter of 1mm or larger and a length of 850mm or shorter</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Two(2) Dual channel flexible endoscope with:</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Internal diameter of 1mm or larger and a length for one channel of 998mm or shorter and the other channel of 850mm or shorter</td>
</tr>
</tbody>
</table>

One shelf of the chamber can be used in SURFACE mode.
Max. loading weight: 7.4kg (16.3lbs)

Up to three shelves of the chamber may be used in ENDO mode.
*Only Flexible Endoscopes with accessories may be loaded in ENDO mode.
Max. loading weight: 14.8kg (32.6lbs)

Up to two shelves of the chamber may be used in STANDARD mode.
Max. loading weight: 14.8kg (32.6lbs)

Up to two shelves of the chamber may be used in ADVANCED mode.
Max. loading weight: 14.8kg (32.6lbs)

<table>
<thead>
<tr>
<th>No. of cycle/H₂O₂ bottle</th>
<th>12 cycles</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>12 cycles</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>7 cycles</th>
<th>No. of cycle/H₂O₂ bottle</th>
<th>6 cycles</th>
</tr>
</thead>
</table>

* All medical devices to be sterilized must be washed and dried completely prior to sterilization in HMTS system.
HMTS-142SE

HMTS-142 SE is the latest and most advanced Low Temperature Hydrogen Peroxide Sterilizer from Human Meditek. Designed to fulfill the evolving global customer demands, HMTS-142 SE offers unique features to make Central Sterile Supply Departments more productive, dependable and safe.

**Efficient**

With four cycle modes, HMTS-142 SE can sterilize a wide variety of medical instruments quickly and efficiently. HMTS-142 SE features an enhanced dual plasma sterilization technology powerful enough to achieve sterility assurance level (SAL) of 10⁻⁶ at half cycle while the large capacity 142L chamber allows you to process more loads per cycle.

**Safe**

HMTS-142 SE sterilizes with lower concentration of hydrogen peroxide (50%) which reduces the risk of damage to expensive medical devices. The chemistry safely breaks down into water and oxygen without leaving any toxic residues, ensuring optimal safety for users and the environment. In addition, HMTS-142 SE is equipped with Independent Monitoring system (IMS) which guarantees sterilization parameters are met every cycle.

**Easy to use**

HMTS-142 SE features aesthetically pleasing design with a large display screen that is easy to read. Enhanced user interface and graphic loading instruction reduce the potential for human error. Ergonomically placed automatic sliding door with foot pedal allows hand-free loading and the LED indicator lets the users to monitor the sterilization cycle even from a distance.

* Launch Scheduled at the end of 2018.
**Accessories for HMTS-Series Low Temperature Hydrogen Peroxide Sterilizer**

Consumable products and accessories are specially designed to ensure the highest compatibility and maximum validation efficacy for HMTS-Series Low Temperature Hydrogen Peroxide Sterilizers.

**Sterilant Agent**

HMSA-80 Sterilant, specifically designed for HMTS-Series, contains 50% Hydrogen Peroxide. The lower concentration of hydrogen peroxide reduces the device and instrument damages while providing maximum sterilization efficacy. The self-contained bottles ensure user safety and can provide up to 18 cycles between changes.

**Biological Indicators**

HMBI-T is a self-contained biological indicator inoculated with Geobacillus stearothermophilus, a highly resistant bacterial spores, to safely and effectively monitor the sterilization processes.

**Chemical Indicator (Strips / Tapes)**

Designed specially for HMTS-Series Low Temperature Hydrogen Peroxide Sterilizers, the chemical indicators offer a distinct and easy to read color changes to provide confidence for proper sterilization.

**Tyvek® Rolls**

We offer a wide variety of sizes and styles of Tyvek® Rolls, which provides excellent tear and puncture resistance. The pouches and rolls can provide sterile storage for up to one year.

**Other Accessories**

We offer a variety of exclusive accessories, specifically designed for HMTS-Series Low Temperature Sterilization System, to enhance convenience and efficiency.

*Human Meditek recommends the use of approved consumables and accessories to fully guarantee the sterilization processes.*
HMTS has the Best Answer!