

HMTS SERIES

Low Temperature Plasma Sterilizer



HMTS-30E

“Can endoscopes be sterilized thoroughly?”

”Is the sterilization cost reasonable?”

“Are you fully prepared for meeting new and more stringent environmental regulations?”

“Do you want quick sterilization?”

“Is your sterilizer easy to operate?”



HMTS has the Best Answer!

HMTS-30E

Low Temperature Plasma Sterilizer System



HMTS-30E

Dimensions, Weight

Size	Width	740 mm (29.1 in)
	Height	830 mm (32.6 in)
	Depth	702 mm (27.6 in)
Weight		160 kg (352.7 lbs)

Sterilization Chamber

Total Volume	34 L (1.2 cubic feet)
Usable Volume	30 L (1.0 cubic feet)
Dimensions (W x H x D)	340mm x 170mm x 600mm (13.4 in x 6.7 in x 23.6 in)
Shelf Strength	25 kg (55 lbs)
Shelf Dimensions (W x D)	320mm x 560mm

HMTS-30E Sterilization System Cycle

Normal cycle (Dual cycle)

Vacuum 1 Stage	Initial evacuation of sterilization chamber
Diffusion 1 Stage	Automatic injection and diffusion stage
Vacuum 2 Stage with Plasma 1 Stage	Re-evacuation of sterilization chamber
Diffusion 2 Stage	Automatic injection and diffusion stage
Plasma 2 Stage	Re-evacuation of sterilization chamber
Aeration & Dry Run Stage	Return of sterilization chamber to atmospheric pressure and re-evacuation of chamber
Total Cycle Time	Surface: 17±3min, Standard: 27±3min, Advanced: 39±3min

Cycle time varies depending on the type of load being sterilized.

Installation and Operating Requirements

Electricity:

200 – 240 VAC, 50 - 60 Hz, 3kW, 1 phase

Placement:

Built-in wheels provide mobility.

Operational environment:

Temperature 18°C - 35°C (64.4°F - 95°F)

Humidity 10% - 85% RH (Non-condensing)

Installation space:

Minimum area: 1057 mm x 1056 mm (41.6 in x 41.5 in)

Surface: Flat = 5 mm/m (0.188 in / 3 feet)

Minimum distance from wall: 300 mm (11.8 in)

Minimum service access: 1 m (3 feet) on all sides

Features

Operating system: Windows Embedded

User interface: 7" TFT Touch Monitor and Audible Alarm provide proper data-acquisition.

Network: 100/10 Mbps Ethernet

Printer: Built-in thermal printer

Self-test: Functions are available



Regulatory Approvals

- 1) Medical Devices Directive 93/42/EEC
- 2) ISO 9001: 2008 Quality management systems - Design, development and manufacture of plasma sterilizer and hydrogen peroxide sterilant agent for use in HMTS series.
- 3) ISO 13485: 2003 Quality management systems- Medical devices - Design, development and manufacture of plasma sterilizer and hydrogen peroxide sterilant agent for use in HMTS series.

Normative Reference

- 1) ISO 14971: 2007 Medical Device. Application of risk management to medical devices
- 2) ISO 10993-5: 1999 Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity
- 3) EN 61010-1: 2001 Safety requirements for electrical equipment for measurement, control and laboratory use. General requirements.
- 4) EN 61010-2-040: 2005 Particular requirements for sterilizers and washer-disinfectors used to treat medical materials
- 5) EN 60601-1-2: 2001+A1; 2006. Medical electrical equipment. General requirements for safety. Collateral standard. Electromagnetic compatibility. Requirements and tests.



* Product descriptions and images are subject to change without prior notice.

LL-30E (Rev.1)



Address 2nd Fl., 135, Gasan digital 2-ro, Geumcheon-gu, Seoul, 153-803, Korea
Tel +82.2.6292.2588 Fax +82.2.868.1555 Email info@hmmtdt.com Website www.hmmtdt.com