HMTS SERIES

Low Temperature Plasma Sterilizer

HMTS-80 / 80E

"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?"

Windows Embedded

HMTS has the Best Answer!

HMTS-80/80E Low Temperature Plasma Sterilizer System

Dimensions, Weight

Size

	Width	750 mm	(29.5 in)
	Height *	1670 mm	(65.7 in)
	Depth	835 mm	(32.9 in)
Weight		430 kg	(947 lbs)

* Including built-in wheels

Sterilization Chamber

Total Volume	80 L (2.83 cubic feet)
Usable Volume	71 L (2.5 cubic feet)
Dimensions (W x H x D)	Ø400mm x 650mm (D) (Ø15.7 in x 25.6 in)
Shelf Strength	35 kg (77 lbs)
Shelf Dimensions (W x D)	Upper: 380mm x 635mm (14.9 in x 25 in) Lower: 260mm x 635mm (10.2 in x 25 in)

HMTS-80/80E

HMTS-80/80E Sterilization System Cycle (Approximate Times)

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
Vent & Dry Run Stage	Return of sterilization chamber to atmospheric pressure and re-evacuation of chamber.
Total Cycle Time 80 / 80E	35-40 min / Surface: 28 ± 3min, Standard: 38 ± 3min, Advanced: 58 ± 3min

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

Installation and Operating Requirements

Electricity:
80 : 100/110/120/220/230/240V, 50-60 Hz, 3 kW, 1 phase
80E : 100/110/120/200/220/230/240V, 50-60 Hz, 3 kW,1 phase

Placement:
Built-in wheels provide mobility.

Operational environment:
Temperature 18℃ - 35℃ (64.4℉ - 95℉)
Humidity 10% - 85% RH (Non-condensing)

Installation space:
Minimum area: 1135 mm x 1502 mm (44.7 in x 59.1 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 of HMTS-80

User interface: 5.7" LCD and audible alarm provide operator with proper information.
Print: Built-in thermal printer
System performance record: Built-in thermal printer and smart memory card generate system performance record and storage for each cycle.

Features of HMTS-80E

Operating system: Windows Embedded
User Interface: 6.4" TFT Touch Monitor and Audible Alarm
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 14937: 2001 Sterilization of health care products
3) ISO 10993-5: 1999 Biological evaluation of medical devices – Part 5: Tests for in vitro cytotoxicity
4) EN 61010-1: 2001 Safety requirements for electrical equipment for measurement, control and laboratory use. General requirements.
5) EN 61010-2-040: 2005 Particular requirements for sterilizers and washer-disinfectors used to treat medical materials
6) EN 60601-1-2: 2007 Medical electrical equipment. General requirements for safety. Collateral standard. Electromagnetic compatibility. Requirements and tests.

Windows Embedded

ISO 9001:2000 SGS

UKAS QUALITY MANAGEMENT 005

CE 0120

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

LL-80 (Rev.13)