Advanced Sterilization Products

UV SMART™
D45 System

High-level disinfection for ultrasound probes in 75 seconds



Safety and speed with the UV SMART™ D45 System



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75-second cycle
High-level disinfection in just over a minute with no warm-up time.

Automated disinfection
Consistent and traceable results with each cycle.

Chemical-free disinfection
No water, chemicals or other consumables needed during the 75-second disinfection cycle.

Versatile design
Can be placed on a cart, wall mount, or table.

Gentle on the equipment
Compatible with major ultrasound probe manufacturers.

Workflow



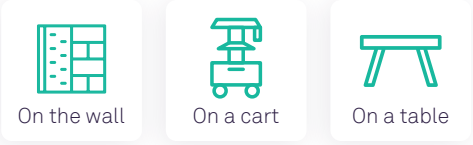
For compatibility inquiries or to verify specific device models, contact us.



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The D45 System adapts to your healthcare setting

Place the D45 System



How to use the D45 System



DISCLAIMER:

This guide is not intended to replace the Instructions for Use (IFU). Prior to use, read and follow the full IFU as the featured steps may not include the complete steps of the procedure. Individual surgeon preference and experience, as well as patient needs, should always dictate variation in procedure steps.

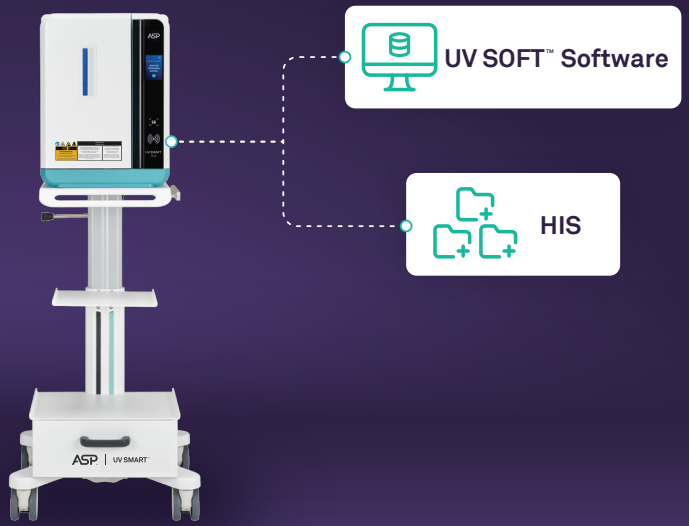
The D45 System records all necessary reprocessing data

The software records
the following information:

- Equipment ID: ultrasound probe type or number
- Patient ID number
- User ID: when inserting/taking out equipment
- Disinfection cycle parameters
  (UV-C dose, power usage)
- Disinfection cycle result, date, and time
- Optional printer connection allows
  for direct printing of disinfection
  logs on an adhesive ticket

Connectivity

With UV SOFT™ Software, the D45 System automatically transfers reprocessing cycle information to the intranet-based application. This data can then be sent to the Hospital Information System (HIS).



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UV SMART™ D45 System
Disinfection add-ons



1. (Pre-)Clean support



2. Secure transport and storage



3. Compliance and audit readiness



4. Continuous care and maintenance

Seamless traceability with UV SOFT™ Software

	D45 System without UV SOFT™ Software	D45 System with UV SOFT™ Software
Annual maintenance: Ensures consistent operational efficiency.	✓	✓
Audit readiness: Automatically keeps records that are essential for audits, reducing the administrative burden.	✓	✓
Readily available traceability: Facilitates easy and remote access to up-to-date reprocessing information.	✗	✓

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Service life and maintenance

The D45 System has a service life of 10 years. Every 12 months of use, the device requires maintenance and will prompt a notification on the display.

All replacement parts and maintenance activities are included in the service agreement offered by your local distributor.

1-year warranty does not include wear parts replaced during maintenance

The prescribed service agreement includes:

- Annual service and maintenance with minimal downtime
- Replacement of critical wear parts during maintenance
- Sensor function check and calibration verification
- Technical support



Technical Specifications

Type of unit	Ultraviolet Radiation Disinfection Chamber Device	
Regulation number	21 CFR 880.6511	
Product code	SCS	
Regulatory class	Class II	
Ingress protection	IP 20	
Voltage rating, overvoltage category	110-120VAC / 220-240VAC (±10%), OVC II	
Frequency	50/60Hz	
Amperage rating	2A	
Power rating	200W	
UV-C germicidal bandwidth	253.7nm	
Fuse value	2 x 2A time-lag fuse (ø 3/16" x 3/4")	
	110-120V: 10A time-lag fuse (ø 3/16" x 3/4") x 2	
EMC & electrical safety	IEC 61326-1/61000-3/4 (A1, CISPR 11),	
	IEC 60601-1-2, IEC 61010-1, IEC 61010-2-040	
Photobiological safety class	Moderate Risk Group (IEC 62471)	
Product service life	10 Years	
Operating & transport/storage conditions	**Operating**	**Transport/storage**
Temperature	41°F - 104°F	-13°F - 140°F
Relative humidity	20% - 75%	20% - 85%
Atmospheric pressure	800hPa - 1060hPa	700hPa - 1060hPa
Weight	Approximately 25 kg/55 lbs	
Dimensions (W x H x D)	Device Area (WxDxH) = 15" x 8" x 21"	
Pollution degree	PD2	
IT connection	USB, Ethernet Cable	
Track and trace	Retrievable via UV Soft™ Software	
	and D45 System Internal Memory	
Technical inspection (service/maintenance)	Every 12 months	
FCC	Part 15 Compliant	

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Frequently Asked Questions

Q: Where can the D45 System be placed?

A: The D45 System can be delivered as stand-alone unit to be placed on any available tabletop or with a wall mount or on a cart. The cart allows the D45 System to be moved easily from patient room to patient room.

Q: What products can I disinfect in the D45 System?

A: The D45 System is designed for the disinfection of wired ultrasound probes. For tailor-made advice, please contact us.

Q: Can I retrieve data from the D45 System?

A: Yes, the data of the D45 System can be retrieved. This can be done via a USB port at the back. Each disinfection cycle (successful or failed) can be viewed with all data: time and date, equipment ID, operator ID of the user that inserted the equipment, patient ID number, UV-C dose, power usage, cycle number, and operator ID of the user that removed the equipment.

Q: Can I test the product in my hospital?

A: To see if the D45 System fits in your workflow, you can request a trial placement. This will give you an idea of what the product can do for your organization in the fight against healthcare-associated infections.

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Advertising Material - No Commercial Value

DISCLAIMER

The information contained herein is meant to describe the use of the product(s) and is not intended to provide advice on medical procedures. UV Smart Technologies B.V. makes no representations or warranties whatsoever as to the accuracy, completeness, or suitability for the purpose of the information/training. Products and specific indications might be unavailable in certain markets, given that product availability is subject to regulatory approval (and/or medical practices in individual markets). The healthcare provider is responsible for the clinical implementation of UV SMART™ products. The instructions for use and accepted medical guidelines should always be checked prior to the application of UV SMART™ products.

Important information: Prior to use, refer to the complete instructions for use supplied with the device(s) for proper use, indications, contraindications, warnings and precautions.

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(DOC-2657) Ver. 2
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For more information, contact your local ASP Representative or Customer Support at 1-888-783-7723