

# Chronos<sup>®</sup>

## ULTRASOUND PROBE COMPATIBILITY

GERMITEC<sup>®</sup> works jointly with major manufacturers to ensure compatibility is rigorously tested, approved and endorsed. With ongoing probe compatibility of the latest probe models, it's good to know **Chronos has you covered!**



and many more!

Discuss compatibility requirements with your GERMITEC representative prior to purchase.

## TECHNICAL SPECIFICATIONS

Disinfection cycle time:	Approximately 90 seconds (high-level disinfection)
Dimensions:	102(H) x 38(W) x 43(D) cm
Weight:	36kg
Supply voltage:	120-240 VAC
Power:	495 Watt
Intensity:	4.5-2.5A
Frequency:	50/60 Hz
Functioning temperature:	15 - 50°C
Maximum of functioning humidity:	75%

**Mark:** CE Mark. According to the 93/42/EEC directive for medical devices, Chronos belongs to class 2B for CE.

### The Chronos complies with the following norms:

- EN 61326 Electromagnetic compatibility
- EN 61010-1 & EN61010-2-40 Electrical safety
- EN ISO 14971 Risk management

### Germitec meets ISO 13485 Standard

**References:** 1. Meyers C, *et al.* (2017) UVC Radiation as an Effective Disinfectant Method to Inactivate Human Papillomaviruses PLoS ONE 12 (10): e0187377. 2. Pichon M, *et al.* (2019) Decontamination of Intravaginal Probes Infected by Human Papillomavirus (HPV) Using UV-C Decontamination System. J. Clin. Med, 8, 1776; doi:10.3390/jcm8111776. 3. HSE Guidance for Decontamination of Semi-critical Ultrasound Probes 4. C. Kyriacou, *et al.* (2022) Time-effectiveness and Convenience of Transvaginal Ultrasound Probe Disinfection Using Ultraviolet vs Chlorine Dioxide Multistep Wipe System: Prospective Survey Study. <https://obgyn.onlinelibrary.wiley.com/doi/10.1002/uog.24834>



# Chronos<sup>®</sup>

CHEMICAL-FREE HIGH-LEVEL DISINFECTION SYSTEM

EFFICIENCY  
SUSTAINABILITY  
COMPLIANCE

For Ultrasound Probe UV-C  
High-Level Disinfection



For further information call +44 7462 570431  
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**GERMITEC<sup>®</sup>**  
Your Partner in Preventing Infection.

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# Chronos®

**PROVEN  
TO KILL HPV<sup>1,2</sup>**

Chronos® works by using ultraviolet light (UV-C) for high level disinfection that is fully automated and chemical free. The system is rigorously tested to improve patient safety by significantly reducing the risk of cross-contamination. As a result, automated systems such as Chronos® are favoured over wipe solutions by many local guidelines.<sup>3</sup>



## EFFICIENCY

- › Point-of-use 3-step process: use-clean-HLD.
- › 60% faster compared to traditional wipe systems.<sup>4</sup>
- › User-friendly: probes easy to install and a single user interface button to start a cycle.

## SUSTAINABILITY

- › Chemical-free process.
- › Avoid regular waste generated by other HLD processes such as wipes and soaking chemistries.
- › Chronos is made from recyclable materials.

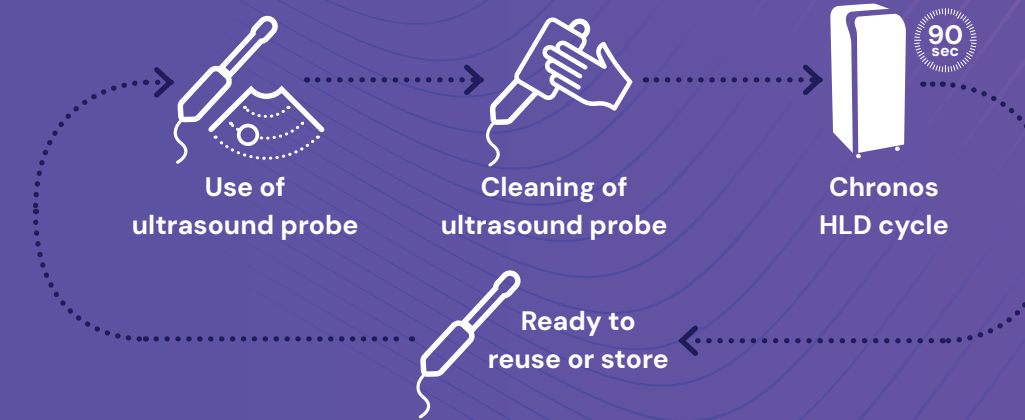
## COMPLIANCE

- › Be audit ready!
- › Chronos traceability system electronically captures and stores data during each disinfection cycle:
  - By connecting the optional thermal printer, information from the disinfection cycle can be automatically printed out up to 5 tickets.
  - Disinfection records can also be accessed via Ethernet using Germitrac, Germitec's API to enable easy access via a web browser, or by connecting Chronos to the hospital network.



## CHRONOS® HLD WORKFLOW

Streamline your process with fewer steps\*



\* Less steps needed compared to other methods available. Chronos HLD System requires only 3 steps. Contact your Germitec representative for more information.

## HOW UV-C HLD WORKS

UV-C HLD works when UV-C light penetrates the cell wall of microorganisms (Bacteria, Fungi, Viruses, Mycobacteria & Spores) and disintegrates their DNA and RNA. This leaves the microorganisms unable to perform cellular functions and replication, thereby destroying them.

Chronos' disinfection chamber is especially designed to assure the emitted UV-C light is reflected sufficiently to avoid surface shadowing and to provide adequate illumination and efficient exposure on the probe surfaces.

## CHRONOS® AUTOMATED VERIFICATION SYSTEM

Acts as parametric release and replaces the manual process of checking chemical indicators and test strips.

