

THE SCIENCE OF HAND HYGIENE

SureWash is clinically proven to reduce the human & financial cost of hospital acquired infections by up to 50%



 **surewash** 
Part of **ARAtch** Global

Product information and specifications

A fully portable turnkey system designed for ease of mobility. Weighing just 10Kgs, it comes with its own military grade storm case for ease of transport.

SureWash GO is a fully portable training device that uses augmented reality to deliver competence based training in hand hygiene and infection control. It's a proven way to reduce the human and financial cost of HIAs by up to 50%.

Numerous clinical studies that have taken place worldwide emphatically underline the key role hand hygiene plays in infection control and its financial impact on Hospitals. Research indicates that up to 50% of HIA's are caused by poor hand hygiene.

By gamifying the learning technique, SureWash develops psychomotor skills and have delivered **increases in hand hygiene compliance rates by as much as 50%** when incorporated into a multimodal approach.

Ultimately this not only saves organisations time, money and productivity but has a very real impact in improving patient outcomes.



A typical 250 bed hospital can expect to have between 1,050 and 2,310 infections per year



Hospital infections (HIAs) result in a staggering 100,000 deaths each year in the USA alone, and cost \$45 billion to treat.



The WHO estimate that 50% of infections could be prevented with better hand-hygiene using a system like Surewash.

How effective is SureWash GO?

Percentage compliance with **WHO '5 moments'**



Percentage staff with **ATP scores < 25** post hand washing



Visit www.surewash.com/calculator to estimate the cost of poor hand hygiene in your organisation, and see how SureWash can drive fundamental improvement.



*Example shown is based on a 200 bed hospital

How SureWash GO works

The Surewash system is a combination of an e-learning system, gamification and patented gesture recognition technology that uses a live video camera to measure hand motions and provide real-time feedback to support the user in a “Deliberate Practice” learning framework.



Developing muscle memory for life

This approach helps users develop the embodied learning (muscle memory) of hand hygiene thereby improving both the compliance and effectiveness of hand hygiene.



Patients and Visitors

Infection control is a shared concern and SureWash GO can be used to engage patients and family members in a conversation about hand hygiene and infection control issues. Patients find the training and engagement a positive experience. An associated range of signage can be used to engage users in independent learning device.



World-leading gesture recognition technology

The live video image is shown to users on a screen and the image overlaid with real time feedback on their progress (augmented reality). In addition to measuring the motions of the hands in accordance with the WHO protocol they can optionally measure the size of the hands and if staff are “bare to the elbow”.

Mobility for ease of access to training

The SureWash GO portable device is fully portable and can be easily moved around, both on and off-site, to provide self-directed training in the workplace around the clock.



Customisation and reporting with the surewash.net platform

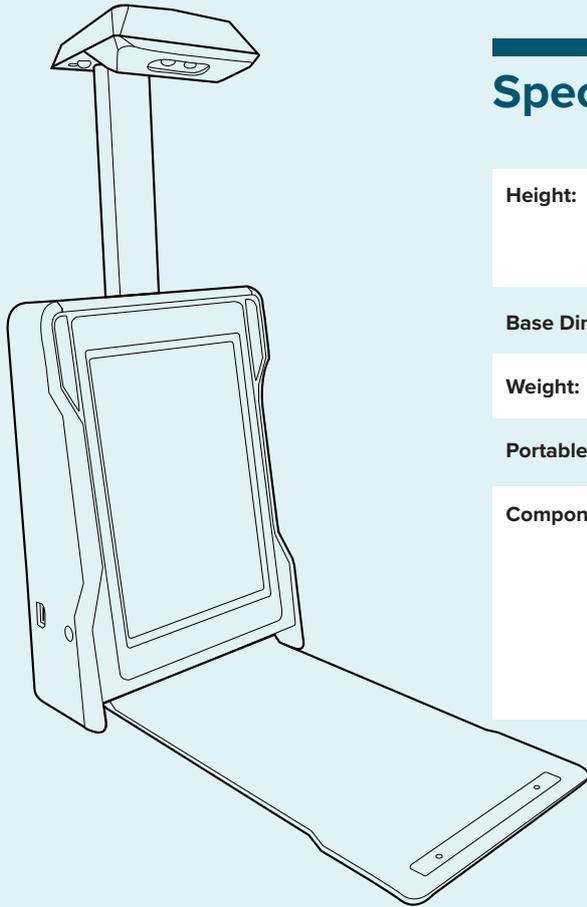
All SureWash systems also connect to the SureWash.net platform. Here users can amalgamate records and reports across multiple machines, design and build their own multimedia content and questionnaires for deployment, generate schedules and program plans, access user guides and FAQ’s, update their machines with the latest software and content modules, access marketing collateral and issue certification documents to encourage engagement with the target audience.

EXPERIENTIAL LEARNING THEORY

The learning system is organized in accordance with the experiential learning – “learn-by-doing” – methodology that fits with Lean / Six Sigma process improvement concepts. Learning is divided into multiple levels of increasing complexity (removal of prompts and increasing speed). The multiple levels promote the opportunity for multiple short learning sessions with feedback that leverages the latest finding in neuroscience on the learning of psychomotor skills.

COMPLIANCE & CERTIFICATION

SureWash GO incorporates an RFID badge reader and record management system so that a large institution can ensure that its entire staff has undertaken training. An “exception report” can be used to identify staff that have yet to undertake training. Usage data can also be used in an Action Research or community of practice improvement methodology to have groups of staff set and attain improvement goals. Goals and an associated leaderboard can be used to drive local contest and challenges which motivate engagement with training.



Specifications

Height: From 43cm/ 17 inches for wall mounting to 64cm/25 inches with camera up in tabletop mode.

Base Dimensions: 4.7 x 10.7 inches / 12 x 27cm

Weight: 10 Kg / 22Lb

Portable Carry Case: Pele Storm 5100 with custom foam

Components: Microsoft Surface Pro 5
Intel real sense 3D Camera
WiFi
External ports
1 USB3
Power 110 / 240 volt

SureWash has given me the opportunity to assess and train staff, patients and visitors in correct hand hygiene technique... It's like having another member of the IPC team.

— **Senior Infection Control Nurse,**
The Christie NHS Foundation Trust, UK

In each of our main hospital sites, we rotate a SureWash machine through all wards and departments every month. The staff really enjoy interacting with the machine and competing to see who can get the highest score for hand hygiene technique.

— **HAI Patient Safety Coordinator,** NHS Lothian, UK

For more information contact us :