



Genuine
innovation
in the field of
infection prevention:
the digital scrub-up
trough with
sensor control

SENSO Clean 1400

The **SENSO Clean** has one screen per workstation without keys or buttons

Hygiene check: skin areas that have been thoroughly disinfected light up bright white under the integrated UV lamp

Tap with integrated IR sensor and touchless temperature adjustment via two sensor fields



Electrical pump for soap and disinfection with adjustable dosage amount

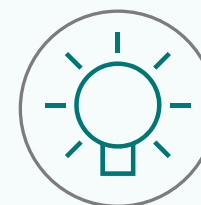
The completely smooth front areas offer ideal conditions for cleaning and disinfection against bacteria and viruses

Operation can be controlled manually with buttons or with IR Tap. Disinfection time monitoring through RFID log in and log out

ALL BENEFITS AT A GLANCE

SPOTLIGHTS

The **SENSO Clean** is equipped with warm white LEDs. The light comes on automatically with the water. The beam of light points towards the stream of water to ensure an optimum illumination of the hands.



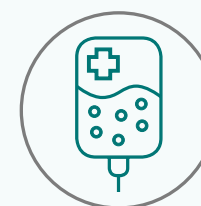
TOUCHLESS TEMPERATURE CONTROL

The user can regulate the temperature continuously via two sensor fields. A preset mechanical 3-way valve with motor drive (thermostat-controlled) ensures smooth water temperature adjustment. The integrated anti-scaling technology does not allow the water temperature to exceed 42°C.



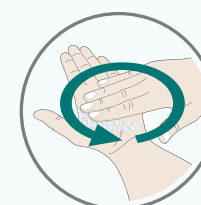
SOAP AND DISINFECTANT DISPENSER

The dispensers are controlled by an electronically regulated pump. Disinfectants and liquid soap can be dosed without any contact. This reduces the risk of an accidental transfer of germs through contact to the hands that are to be cleaned. Thanks to integrated sensors, the levels are displayed prominently on the screens.



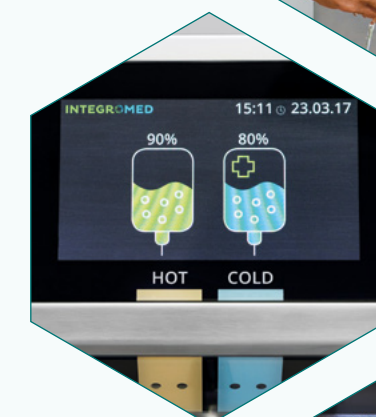
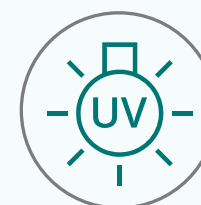
SOFTWARE-GUIDED HAND-WASHING

The **SENSO Clean** has a 10.1" monitor at each washbasin. When the program is activated, the integrated software begins the display of the 6 steps for an optimum hand-washing result incl. the specified time according to DIN standards. This process is extended by 2 preceding steps for surgical hand disinfection. Apart from the graphic animation, a feedback system accompanies the washing process for the hands.



UV LEDS FOR QUALITY CONTROL

The UV-A LEDs implemented in the housing allow a quality control after hand-washing. This function is only provided for training purposes.



INTEGROMED

2:58 15:51 23.03.17



25 °C



HOT

COLD

Software guided,
fully automated
hand disinfection

Each washbasin
has a 10.1" monitor
and the integrated
guiding software serves
quality compliance
and control

Visual
feedback for
hand-washing
and surgical
hand disinfection

HAND-WASHING AND SURGICAL HAND DISINFECTION

Surgical hand disinfection
according to EN 12791



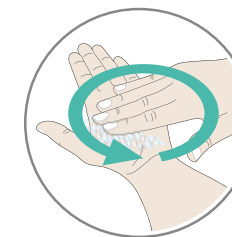
1ST STEP

Rub in disinfectant in individual portions. Begin by disinfecting the hands and lower arms up to the elbows



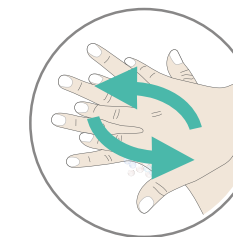
2ND STEP

Then disinfect half the lower arm and hands



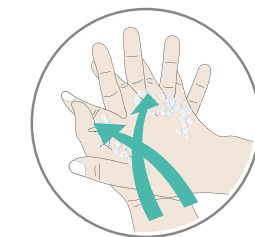
1ST STEP

Rub palm on palm



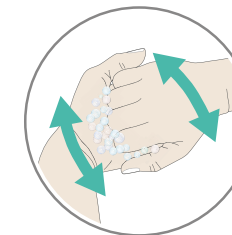
2ND STEP

Rub right palm over back of left hand and left palm over back of right hand



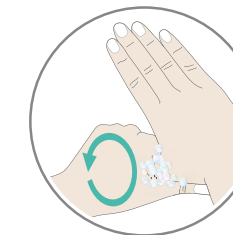
3RD STEP

Rub palm against palm with interlocked, spread fingers



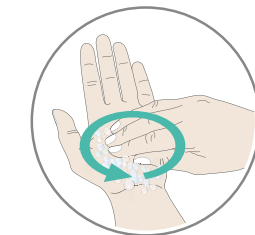
4TH STEP

Rub outside of fingers on opposite hands with interlocked fingers



5TH STEP

Rub the right and left thumbs



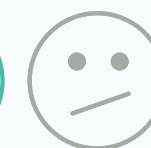
6TH STEP

Rub closed tips of finger in the right and left palms

Hand-washing according to EN 1500

FEEDBACK SYSTEM

A series of graphic illustrations shows the steps specified for hand-washing and/or hand disinfection. An accompanying feedback system shows the individual progress and helps motivate the doctors and clinic staff.



*Customizable software

TIMER



A count-down begins automatically at the start of the washing process and the disinfection. This makes it easier for the user to observe the recommended washing time / prescribed disinfection.

The
software that guides
the process can be
adapted to specific
institutional
regulations and
conditions

Elegant and
ergonomic



The scrub-up trough is made of high-quality stainless steel and has been welded without seams in a special process

The *SENSO Clean*'s shape has been ergonomically designed for use and thus fulfills the requirements of the clinic staff and doctors exceptionally well



The *SENSO Clean* has no corners or edges, only curves. The risk of germs and bacteria collecting in poorly accessible points is greatly reduced

SENSO Clean 1400

Cross-functional
intelligent
synchronization

Statistics on hand
hygiene compliance
can be compiled
and divided by user
groups (e.g. depart-
ments, hospitals,
regions, etc.)

As an option,
the system can
transfer all data
using a network
connection

Operation preparation

Operation Room

Hospital
Information
System



HL7

SENSO Clean

INTUITIVE Console

RFID
Log in

Status

Hygiene
control
Protocol

DICOM
Server

Audit Free Document
added to patient files

Quality assurance documentation



HL 7

- 1- Doctor
- 2- Doctor
- 3- Doctor
- 4- Doctor

Operation 1, Room 2, 09:45

Operation 3, Room 6, 13:30

Operation 4, Room 6, 10:45

Operation 5, Room 1, 08:15

Operation 6, Room 2, 15:45

SENSO Clean can
be synchronized
with a configurab-
le network via the
Hospital Information
System

User
identification,
e.g.
by RFID

The system can
identify the current
user and assign eit-
her an anonymous
or personalized
user ID

SENSO Clean 1400

Mechanical UV/ozone disinfection ensures germ-free water quality



The **SENSO Clean** UV/ozone filter system has been developed to establish a new way of chemical free and reliable disinfection - without changing the original water composition

Germ and micro-organisms are neutralized by ozone and UV. The water is disinfected without leaving any residue

A UV/O₃ disinfection of the process water reduces the presence of pathogenic germs in the water by 99.999%

The feed water is filtered by an integrated mechanical filter system with a maintenance-free backwash filter

The backwash filter is maintenance-free and does not have to be changed*

* The filter insert of backwash filters has to be replaced every 5 years.

INTEGRATED MED

INTEGRATED MED is your first point of contact when it comes to high-quality integrated solutions for the construction and furnishing of medical facilities. We capitalize on versatile, functional and at the same time attractive systems to create a unique environment for medical staff and patients. Not only do we deliver individual products, but also complete, tailor-made solutions.

INTEGRATED MED stands for competence, cooperation, responsibility and innovation.

The intelligent **SENSO Clean** is a genuine innovation in the field of medical hand-washing. The device has been developed on the basis of scientific research and the practical experience - for optimal hand hygiene in operating theaters.

The system features a new ergonomic design with automatic and manual operation modes. The completely touchless **SENSO Clean** can be used with a variety of filter systems, ranging from mechanical filters to sterile, antibacterial filters, depending on the clients' needs. The specially developed water quality control (WQC) system monitors the status of the filter system and informs the client of any maintenance requirements. Safety is guaranteed by a three-stage anti-scalding system. The large LCD front display shows vital information such as the steps for the hand-washing and disinfection process, time, water temperature, and the filling level of dispensers.

Furthermore, a UV quality control system to help train young doctors and verify that their hands have been properly decontaminated can also be integrated.

we
believe
in **we**



TECHNICAL DATA

11/2022

SENSO Clean 700 / 1400 / 2100

Intended use	Scrub-up sink trough for hospitals with soap dispenser, disinfectant dispenser and UV module to ensure the personal hygiene of the hospital staff
Material	Glass, stainless steel
Display	10.1", 1,366 x 768 pixels, True Color, one for each washbasin
Display functions	Soap/disinfectant level, remaining time washing process, washing/disinfection movement, time, date, temperature, UV light
UV module	For an optical check of the disinfection success, 4 UV LEDs, wavelength 365nm, touchless switching
Water filter	Backwash filter
Hygiene rinsing	Adjustable hygiene program, after 12h of inactivity for soap, disinfectant and water
Pipe connection	3/4" hot and cold water
Temperature range	20.0...42.0°C, adjustable temperature limit
Operation	Touchless via IR sensors
Volume of soap and disinfectant tank	5l
Lamp	LED 4 x 3.5 W
Power supply	230V/50Hz
Dimensions	Width: 700, 1,400, 2,100mm, Depth: 700 mm, Height: 1,500mm
Fastening	Wall mounting
Conformity	RoHS-compliant (lead-free), CE standard, 2014/30/EU EMC Directive, 2014/35/EU Low-Voltage Directive

The
SENSO Clean
is available
in **THREE**
SIZES



integromed-innovation.de

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