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DecoLine

ISU 1.0

Interactive Superinduce Unit

The **ISU 1.0** is a **small, very powerful H_2O_2 generator system**. The ISU 1.0 permits interconnection or combination of different infrastructure systems, equipment or devices. It provides **interactive** communication (**also with third-party systems**). Thanks to the variably settable volumetric flow rates **up to 100 m³/h** and the process variety, decontaminations can be realised via nozzle and ventilation systems and over far distances. The generated gas flow can be optional built up "intensively highly concentrated" or „gradually continuous" (= **superinduce effect**) and can be introduced into the room. This system is suited for efficient decontamination processes and for room volumes of up to 50 m³.

Ortner Plus

- powerful evaporation module
- integrated heater module, for example to allow heating of air ducts
- standard digital cycle recording via USB and LAN
- advanced remote control operation
- comprehensive interfaces for system integration and communication to external system control units
- permanent operational readiness of the device
- automatic measurement of gas concentration in the room with room clearance display
- permanent limit value monitoring
- automatic chart with concentration trends
- suited for open and closed-loop processes
- suited for controlling synchronized nozzle systems
- user-friendly recipe management
- intuitive user interface
- ergonomic handle grip positions for easy handling
- automatic controlled volumetric flow is variable up to 100 m³/h
- particularly maintenance-friendly thanks to:
  - easy access to all important maintenance-relevant components
  - maintenance can be performed by trained qualified personnel of the operator

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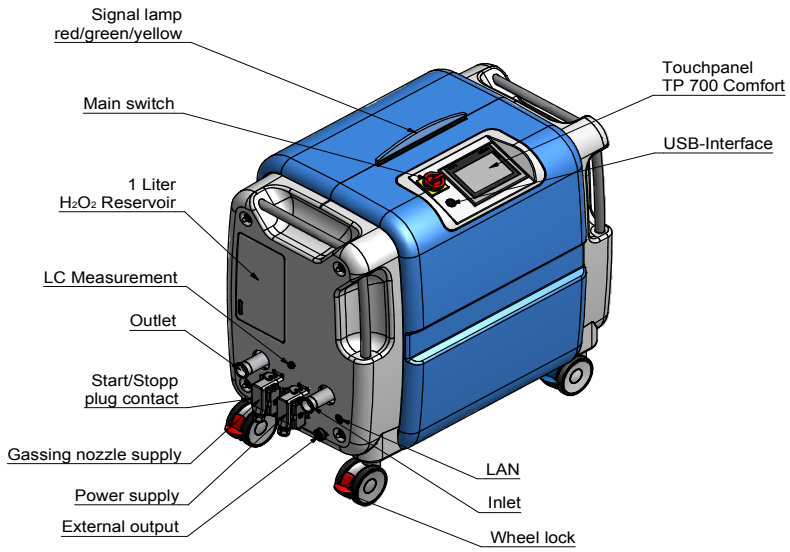
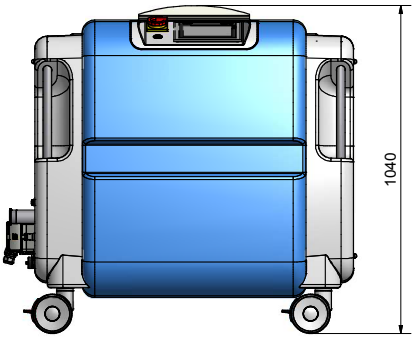
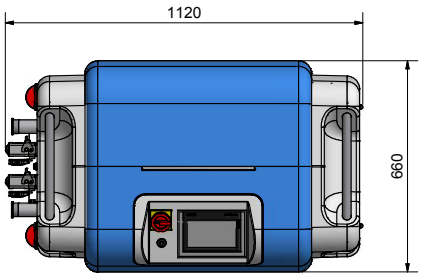
ISU (Interactive Superinduce Unit) 1.0

Operational status of the equipment, all actual values of the sensors, process time, all alarms and the actual cycle time will be provided by the LAN interface. Operators can select and start a cycle external.

ISU 1.0







Models Dimensions in mm

Model	Total dimension W × H × D
925-030-000-000-06	1120 x 1040 x 660

Standard hardware interfaces:

- LAN
- USB
- start/stop contact
- power supply
- nozzles regulation
- external output

Standard external output:

- operation
- total interference
- H_2O_2 system
- active ventilation

Additional options

- HC sensor
- LC sensor
- H_2O_2 catalyst with H14 filter
- fitted gassing nozzle
- comfort display module for remote control via WLAN
- Audit trail

Technical specifications

Casing	plastic (ABS)
Power consumption	3,5 kW / 12,5 A
Voltage	230 VAC or 3 × 400 VAC/50 Hz/N/PE
Fan	electronic speed control
Control panel	Siemens S7 1200
Cycle storage	1–10 (can be extended)
Pump	high precision dosing pump +/– 1%
Life cycle of the pump	10 000 operating hours
Scale range	0 - 1500 g
Signalization	signal light (red/green/yellow))
Injection rate	1–10 g/min
Room temperature	0 - 40 °C
Volume flow	variable up to 100 m^3/h
Hose connections	DN 32 Tri-Clamp
Touch panel	TP 700 Comfort (colour)
H_2O_2 Reservoir	up to 1 litre (techn. pure H_2O_2)
Max. room size	usable up to 50 m^3
Internal pipeline material	stainless steel
Weight	approx. 130 kg
Swivel casters	swivel casters with directional lock

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