SPECIFICATION & DATA SHEET

AUTOMATED SLIDE STAINER SS-30

MULTISTAINING CAPABILITY

- Up to 5 racks can be run simultaneously depending on protocols (identical and/or different), load frequency and instrument configuration.
- 20 stations in total distributed in:
  - Up to 2 loading stations.
  - Up to 3 unloading stations (2 only if drying station available).
  - Up to 3 wash stations with running water.
  - 1 drying station (only in model SS-30H).
- 30 slides per Rack.
- Reagent stations capacity: 300 ml.
- Up to 20 programs in memory with 50 steps each maximum.

The Reagent Management System (RMS) keeps track of reagent usage and ensures an optimal staining quality (only available in version SS-30H).

DEDICATED SOFTWARE

- Individually programmable agitation system for each station.
  - Available in 4 different modes with 3 configurable parameters: number, speed and amplitude of dips.
  - Special programming for washing stations.
- Programmable immersion time between 1s to 59m 59s per step.
- Up to 52 reagents in the memory (32 programmed and 20 defined by user).
- Real time display of staining protocol status.
- Drain function: it minimizes reagent carryover and helps reducing reagent consumption to optimize costs.
- Reporting capabilities through a USB plug to acquire data, displaying real status of the running protocols and managing reports and errors.

SPECIFICATION

- Back-up battery with 2h autonomy to finish the staining protocols in case of power failure.
- Integrated filtration system equipped with a charcoal filter.
- Drying station temperature: 30-70ºC (only for SS-30H).
- Several adaptors are available for the most popular coverslipper racks in the market.
- Water overflowing in the stainer is secured thanks to an innovative two water level sensors system.
- Optional adaptor for the laboratory general extraction system.
- External power supply 12V.

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TECHNICAL DATA

Specifications

Power requirements	Input: 100-240V – 1,5A/50-60 Hz Output: 12V, 5,5A
Dimensions	1.200 x 440 x 368 mm (W x D x H)
Weight when unloaded and without packaging	55 kg
Total weight with packaging	92 kg
Transportation and packaging conditions	Temperature -20 to +50ºC
Water supply	Supply: Running water Maximum pressure: 4 bar Water temperature: less than 30º (86ºF) without freezing Fitting: Standard ¾” Drainage: By gravity Pipe diameter 20mm
Classification in accordance with IEC 1010	Protection class 1 Pollution degree 2 Overvoltage category II
Operating conditions	Operating temperature range: 10-40ºC Relative air humidity: 10-80% non-condensing **FOR INDOOR USE ONLY**
Suggested value for UPS	500 VA

Operating capacity

Processing capacity	Up to 5 racks at a time, depending on the programs, load frequency and device configuration Simultaneous performance of up to 5 different staining protocols
Minimum load capacity per rack	30 slides
No. of programs in the memory	Stores up to 20 programs, each with up to 50 steps
No. of reagents in the memory	Maximum 52 (32 programmed and 20 user-configurable)
Immersion time	1 s - 59 m 59 s per step
Number of stations	20 stations with individual cover
Reagent stations	Maximum 18
Reagent station volume	300 ml
Rinsing stations	Up to 3
Loading stations	Up to 2
Unloading stations	Up to 2

Drying station	1
Drying station temperature	30-70ºC
Fume extraction	Active charcoal filter
Accumulator life	2 hours (lithium-ion batteries) Only batteries approved by the manufacturer are permitted to be used

Optional accessories

SS30-059	Adapter for THERMO-MICROM rack (30 slides)
SS30-200	Load station - LEICA rack
SS30-200A	Load Station – CLEARVUE rack
SS30-200B	Lid for load station LEICA rack
SS30-201	Adapter for LEICA plastic rack (30 slides)
SS30-201B	Adapter for LEICA metal rack (30 slides)
SS30-201C	Adapter for CLEARVUE rack (30 slides)
SS30-202	Adapter for SAKURA rack (20 slides)
SS30-204	Adapter for MEDITE rack (20 slides)
SS30-205	Adapter for MEDITE rack (30 slides)
SS30-210	Megaslides adapter