

PETRISWISS PS900

The new PETRISWISS PS900 is a modern knowledge-based, fully automatic and very precise Petri-dish filling system. It is the latest generation, made in Switzerland, with a variety of possible Applications and a great price / performance ratio

Applications

Laboratories, research / development, food, chemical and, pharmaceutical industries, hospitals, Universities, etc.

Possible Uses

DISH INPUT: free placing of single-dishes or dish stacks on the feed belt

SINGLE DOSAGE: programmable medium-dosing quantity per Petri dish

VOLUME DOSAGE: programmable total dosage (e.g., 8.5 l) for a number of dishes (e.g. dishes 850)

DISH LABELING: automatic, alphanumeric dish labelling

MEDIA SMOOTHING: automatic smoothing of media after filling / labelling process

STACKING: programmable batch quantity (1-20) of filled Petri dishes

DISH OUTPUT: automatic output of the filled / labelled stack of dishes.

USEFUL Device Features INCLUDED!

All program data, parameters and operating conditions are displayed on a clear and well defined graphical display. The handling equipment is designed to be very user friendly. The device is operated via a modern touch screen.

- Graphic LCD with backlight for perfect readability.
- Easy to understand and user-friendly interface with touch screen.
- User interface in German or in English- can be adjusted freely.
- Fully automatic filling, labelling and smoothing of Petri dishes.
- High, trouble-free Petri-dish flow rate.
- Autonomous operation.
- Programmable dosing, speed, pause time, and anti-drop function.
- Functional printer with 12 programmable print texts. The printed text can contain expiration date, dish count and the current date and time as placeholders.
- Batch mode with programmable Petri-dish stack height.
- Automatic initialization and implementation of a self-test.
- Self-monitoring of all device functions (e.g. motors, switches).
- Interface for connecting a foot pedal (start / stop).
- Connection of a superior host PC.
- Output of filled stacks in a fully automated, customer ready Petri dish handling system.
- Easy care and maintenance of any equipment components



Specifications

(subject to change)

Parameter	Value		Remark
Power supply : Main Power	115V AC +/- 10%		50/60 Hz
	230V AC +/- 10%		50/60 Hz
Current consumption from mains	230 V AC	210 mA / 360 mA	Standby / Operation
Current consumption from mains	115 V AC	310 mA / 560 mA	Standby / Operation
Power consumption		45 VA / 80 VA	Standby / Operation
Fuse	Connection	250V/3.15A sluggish	Backup in IEC power connector
	Power Supply	4.0 A nimble	Backup on Internal power supply
Dimensions W x H x D	1600 x 760 x 555 mm		
Weight	70 kg / 81 kg		Without packaging/packaged
Ambient Temperature	+5°C to 45°C		
Underlay	Stable		
Sound pressure level	< 79dBA		
Degree of pollution	II		
Protection Class	IP 21		
Usable petri dish diameter	89 – 96mm		
Usable petri dish height	14 – 20.5mm		
Petri Dishes Deposit	400 pieces		
Metered Dose	1.0 – 99.9 ml		
Dosage precision	1%		
Output rate	600 ml / min		
Filling rate	900 dishes / hour (15ml)		
Filling cycle delay	0 – 9.9 Seconds		
Anti-drop	0 – 1.0 Seconds		
UV – contamination safety lamp	253.7nm (0.6Wuvc)		
Programmable marking texts	12		
Print Characters	A-Z, 0-9, 4 Placeholders		
Media Smoothing	Yes		
Bowls directly run	Yes		
Number of Bowls in stack	1 – 20 bowls per stack		
Amount of Bowls on discharge table	500 pieces		
Graphic Display	240 x 128 pixels		With LED backlighting
Interfaces	RS232		Connection to Host
	RS485		BioLink (Laboratory communication)

