Richmond Scientific

Data sheet

print date: 2026-11-06

Drying Oven

SLW 1000 Smart





The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

Advantages of the SMART controller:
- 4,3”, clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen

TECHNICAL DATA

air convection	forced
chamber capacity [l]	1220
working capacity [l]	998
controller	microprocessor PID
display	4,3" full colour touch screen

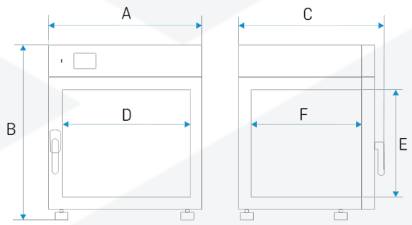
TEMPERATURE

temperature range [°C]	5°C above ambient temperature ... +300°C
temperature resolution every ... [°C]	0,1
temperature fluctuation at 105°C [+/-°C]*	0,6
temperature variation at 105°C [+/-°C]*	3
temperature protection	class 2.0 to DIN 12880 / class 3.1 (option)

CHAMBER

door type	solid / door with viewing window (option)
interior	
Smart	corrosion-resistant stainless steel to DIN 1.4301
IG Smart	corrosion-resistant stainless steel to DIN 1.4301
housing	
Smart	powder coated sheet
IG Smart	stainless steel linen finish

overall dims [mm] /1/	
width A	1260
height B	2000
depth C	880
internal dims [mm]	
width D	1040
height E	1610
depth F	600



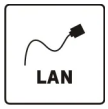
shelves (standard | max)	6 | 22
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	300
- reinforced unit version (W) [kg] /4/	300
weight [kg]	307

ELECTRICAL PARAMETERS	
voltage	400V 50/60Hz
nominal power [W]	5500
warranty	24 months
manufacturer	POL-EKO®

all the above technical data refer to standard units (without optional accessories)
* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:
K= +/- (T average max. - T average min.) / 2
** - other power supplies on request
1 - depth doesn't include 50 mm of power cable
2 - on uniformly loaded surface
3 - reinforced shelf
4 - reinforced version

OPTIONS AND ACCESSORIES

Order number: */A	door with viewing window
Order number: */PP	Perforated shelf
Order number: */PW	Reinforced shelf
Order number: KUW GN*/*	Stainless steel cuvettes
Order number: OWW/OWW LED	Interior lighting
Order number: HEPA	HEPA Clean Air Filter
Order number: LabDesk	LabDesk software
Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
Order number: */3.1	Over temperature protection 3.1 class according to DIN 12880
Order number: RFID LOCK (SMART)	RFID LOCK (SMART)
Order number: BPP 12	Battery backup for display

	Order number: PORT ALARM	Dry alarm contact
	Order number: LANK	LAN cable
	Order number: OCZ/20	Non-standard access port 20 mm
	Order number: OCZ/30	Additional access port 30 mm
	Order number: OCZ/60	Non-standard access port 60 mm
	Order number: OCZ/100	Non-standard access port 100 mm