Richmond Scientific

Data sheet

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Laboratory Freezer

ZLN 85 Smart PRO



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 PRO controller:
- large (7”), clear, full colour touch screen
- LAN, USB ports and WiFi for communication and data transfer
- multi-segment time and temperature programs
- overview of data in tabular and graphic form
- visual and sound alarm
- Admin function for management
- password protected log-in
- internal memory for programs and data storage
- event registry with user notifications
- LabDesk software and user manual for direct download



Smart PRO - preview screen

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TECHNICAL DATA

air convection	natural
chamber capacity [l]	85
working capacity [l]	82
controller	microprocessor PID
display	7" full colour touch screen
insulation type	polyurethane foam

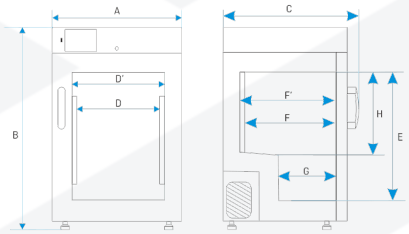
TEMPERATURE

temperature range [°C]	-25...0
temperature resolution every ... [°C]	0,1
temperature fluctuation at -20°C [+/-°C]*	0,5
temperature variation at -20°C [+/-°C]*	2
temperature protection	class 3.2 to DIN 12880 (option)

CHAMBER

door type	solid
interior	
P Smart PRO	corrosion-resistant stainless steel to DIN 1.4301
PS Smart PRO	corrosion-resistant stainless steel to DIN 1.4301
housing	
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/	
width A	610
height B	920
depth C	650
internal dims [mm]	
width D	410
width D'	420
height E	590
depth F	400
depth F'	440
depth G	230
height H	380

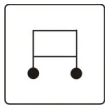
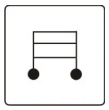
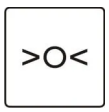
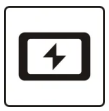


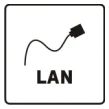
shelves (standard | max)	2 | 4
max shelf workload [kg] /2/	10
max unit workload [kg]	30
weight [kg]	62

ELECTRICAL PARAMETERS	
voltage	230V 50/60Hz
nominal power [W]	200
refrigerant	R290 / GWP=3
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: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: QLK*	Castors
	Order number: */S or */S INOX	Table with castors
	Order number: */ST or */S INOX	Base on castors
	Order number: OWW/OWW LED	Interior lighting
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: */3.2	Over temperature protection 3.2 class according to DIN 12880
	Order number: BPP 12	Battery backup for display

	Order number: PORT ALARM	Dry alarm contact
	Order number: LANK	LAN cable