

Data sheet

Laboratory Refrigerator CHL 1 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

TECHNICAL DATA

air convection	forced
chamber capacity [l]	70
working capacity [l]	55
controller	microprocessor PID
display	7 full colour touch screen

TEMPERATURE

temperature range [°C]	0...+15
temperature resolution every ... [°C]	0,1
temperature fluctuation at 4°C [±/°C]*	0,4
temperature variation at 4°C [±/°C]*	0,7
over temperature protection	class 3.2 to DIN 12880

CHAMBER

door type	solid / glass or double (option) /5/
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interior

P Smart PRO	DIN 1.4301
PS Smart PRO	DIN 1.4301

housing

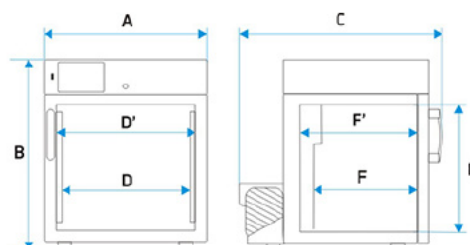
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/

width A	570
height B	660
depth C	680

internal dims [mm]

width D	430
width D'	470
height E	430
depth F	300
depth F'	360



shelves (standard max)	2 2
max shelf workload [kg] /2/	10
max unit workload [kg]	20
weight [kg]	37

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	250
refrigerant	R1234ze / GWP=1
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	<p>all the above technical data refer to standard units (without optional accessories)</p> <p>* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as: $K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$</p> <p>** - other power supplies on request</p> <p>1 - depth doesn't include 50 mm of power cable 2 - on uniformly loaded surface 3 - reinforced shelf 4 - reinforced version 5 - additional internal glass door</p>

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1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

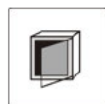
5 - additional internal glass door

OPTIONS AND ACCESSORIES



Order number: */C

Internal glass door



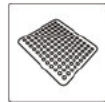
Order number: */A

External glass door



Order number: */P INOX

Stainless steel wire shelf INOX



Order number: */PP

Perforated shelf



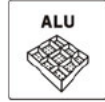
Order number: */PW

Reinforced shelf



Order number: KUW GN*/*

Stainless steel cuvettes





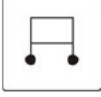
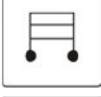

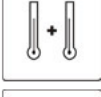

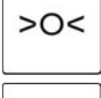
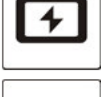


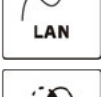
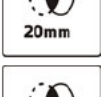
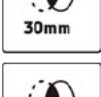
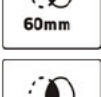


Order number: ST/CHL/SWP ALU

Aluminum drawer with powder coated slides



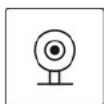
Order number: ST/CHL/SWP INOX

Stainless steel drawer with powder coated slides

	INOX/INOX	Order number: ST/CHL/SWPN INOX	Stainless steel drawer with stainless steel slides
		Order number: QLK*	Wheels
		Order number: */S or */S INOX	Table with wheels
		Order number: */ST or */S INOX	Base on castors
		Order number: *PLUS	Automatic defrosting function
		Order number: PT 100	Additional temperature sensor
		Order number: GNZ	Internal socket
		Order number: BRT*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
		Order number: BPP 12	Battery backup for display
	ALARM	Order number: PORT ALARM	Dry alarm contact
	USB	Order number: USBK	USB cable
	LAN	Order number: LANK	LAN cable
	20mm	Order number: OCZ/20	Non-standard access port 20 mm
	30mm	Order number: OCZ/30	Additional access port 30 mm
	60mm	Order number: OCZ/60	Non-standard access port 60 mm
	100mm	Order number: OCZ/100	Non-standard access port 100 mm
		Order number: KD	Access control

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Part Science · Part Art



Order number: CCTV

Camera inside the chamber



Order number: CCTV CAM

Additional camera