

## Data sheet

## Laboratory Refrigerator CHL 1/1/1 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 / 70 / 70
working capacity [l]	55 / 55 / 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

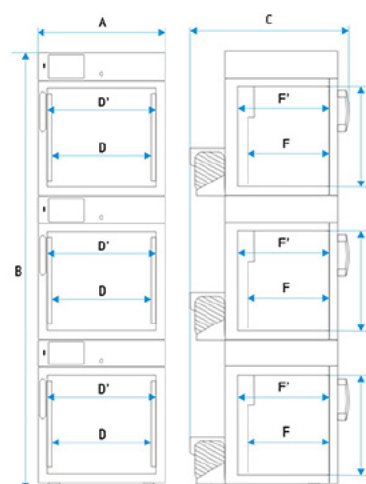
door type	solid / glass or double (option) /5/
<b>interior</b>	
P Smart PRO	DIN 1.4301
PS Smart PRO	DIN 1.4301
<b>housing</b>	
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

### overall dims [mm] /1/

width A	570
height B	1920
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 / 2   2 / 2   2
max shelf workload [kg] /2/	10
max unit workload [kg]	20 / 20 / 20
weight [kg]	98

## ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	750
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:  <math>K = \pm (T \text{ average max.} - T \text{ average min.}) / 2</math></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

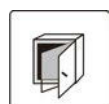
2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

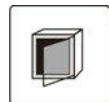
5 - additional internal glass door

## OPTIONS AND ACCESSORIES



Order number: \*/C

Internal glass door



Order number: \*/A

External glass door



Order number: \*/P INOX

Stainless steel wire shelf INOX



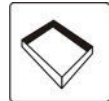
Order number: \*/PP

Perforated shelf



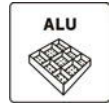
Order number: \*/PW

Reinforced shelf



Order number: KUW GN\*/\*

Stainless steel cuvettes





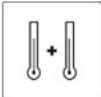

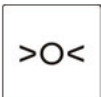

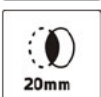
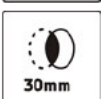
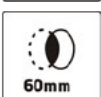
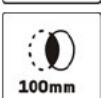

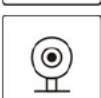
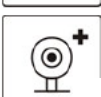
Order number: ST/CHL/SWP ALU

Aluminum drawer with powder coated slides



Order number: ST/CHL/SWP INOX

Stainless steel drawer with powder coated slides

	Order number: ST/CHL/SWPN INOX	Stainless steel drawer with stainless steel slides
	Order number: QLK*	Wheels
	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
	Order number: PORT ALARM	Dry alarm contact
	Order number: USBK	USB cable
	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
	Order number: KD	Access control
	Order number: CCTV	Camera inside the chamber
	Order number: CCTV CAM	Additional camera