

Data sheet

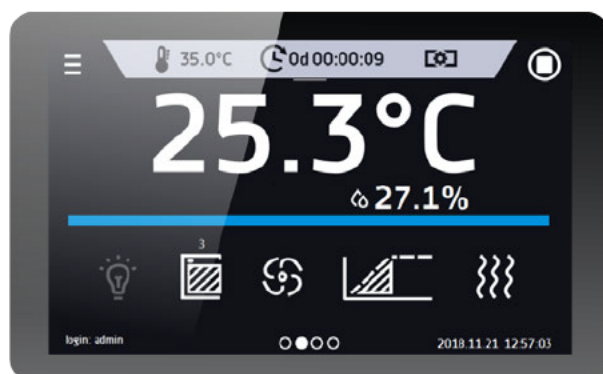
Refrigerator with freezer CHL 3 / ZLN 85 Smart PRO



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

TECHNICAL DATA

air convection	wymuszony / naturalny
chamber capacity [l]	200 / 85
working capacity [l]	163 / 73
controller	microprocessor PID
display	7 full colour touch screen

TEMPERATURE

temperature range [°C]	0...+15 / -25...0
temperature resolution every ... [°C]	0,1
temperature fluctuation at 4°C [±/°C]*	0,4
temperature fluctuation at -20°C [±/°C]*	0,5
temperature variation at 4°C [±/°C]*	0,7
temperature variation at -20°C [±/°C]*	2
over temperature protection	class 3.2 to DIN 12880

CHAMBER

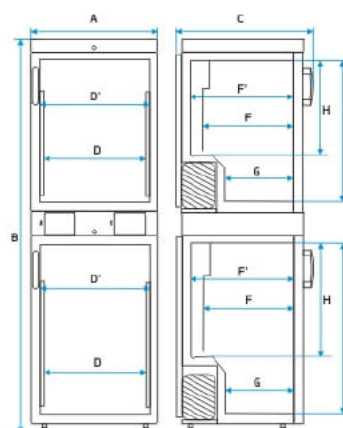
door type	solid / glass or double (option) /5/
interior	
P Smart PRO	acid-proof stainless steel to DIN 1.4301
PS Smart PRO	acid-proof stainless steel to DIN 1.4301
housing	
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/

width A	620
height B	1910
depth C	650

internal dims [mm]

width D	480 / 380
width D'	520 / 420
height E	860 / 590
depth F	420 / 400
depth F'	480 / 440
depth G	320 / 230
height H	640 / 380



shelves (standard max)	3 4 / 2 4
max shelf workload [kg] /2/	10
max unit workload [kg]	30 / 30
weight [kg]	121

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	500
refrigerant	R1234ze / GWP=1 R290 / GWP=36
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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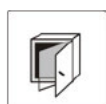
2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

5 - additional internal glass door

OPTIONS AND ACCESSORIES



Order number: */C

Internal glass door



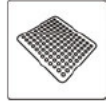
Order number: */A

External glass door



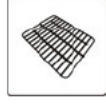
Order number: */P INOX

Stainless steel wire shelf INOX



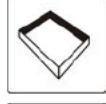
Order number: */PP

Perforated shelf



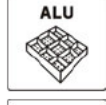
Order number: */PW

Reinforced shelf



Order number: KUW GN**

Stainless steel cuvettes







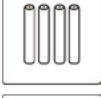
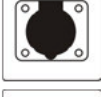

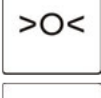

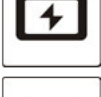
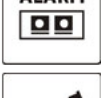

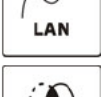
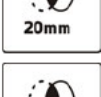
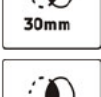
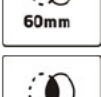
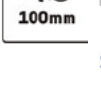
Order number: ST/CHL/SWP ALU

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: ORG-FARM	Pharma organizer
	Order number: *PLUS	Automatic defrosting function
	Order number: ST/70	Extended temperature range to 70°C
	Order number: */FOT	Photoperiodic system
	Order number: GNZ	Internal socket
	Order number: LabDesk	LabDesk software
	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: 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

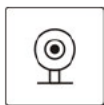
ALEPH

Part Science · Part Art



Order number: KD

Access control



Order number: CCTV

Camera inside the chamber



Order number: CCTV CAM

Additional camera