



POL-EKO
Perfect Environment

(+48) 32 453 91 70
info@pol-eko.com.pl
www.pol-eko.com.pl

POL-EKO A. Polok-Kowalska sp.k.
44-300 Wodzisław Śląski
ul. Kokoszycka 172 C

Data sheet

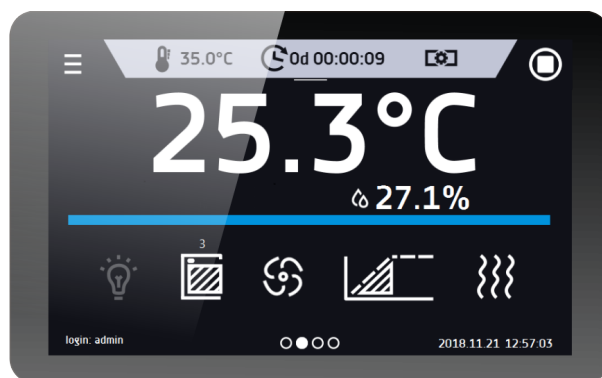
Laboratory Refrigerator CHL 1200 Smart PRO



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]	1365
working capacity [l]	1355
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]*	1,0
temperature variation at 4°C [±/°C]*	1,2
temperature protection	class 3.2 to DIN 12880

CHAMBER

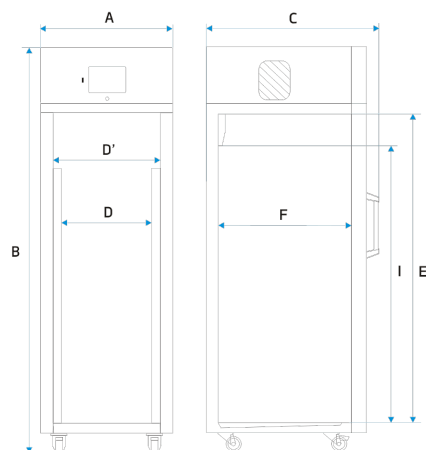
door type	solid / glass or double (option) /4/
interior	
P Smart PRO	acid-proof stainless steel to DIN 1.4301
PS Smart PRO	acid-proof stainless steel to DIN 1.4301
housing	
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/

width A	1460
height B	1990
depth C	960

internal dims [mm]

width D	1270
width D'	1340
height E	1510
depth F	680
height I	1380



shelves (standard max)	2 x 3 11
max shelf workload [kg] /2/	30
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	300
weight [kg]	185



ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	650
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:

$K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$

** - other power supplies on request

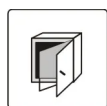
1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug

2 - on uniformly loaded surface

3 - reinforced shelf

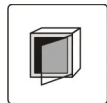
4 - additional internal glass door

OPTIONS AND ACCESSORIES



Order number: */C

Internal glass door



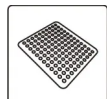
Order number: */A

External glass door



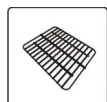
Order number: */P INOX

Stainless steel wire shelf INOX



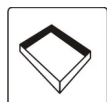
Order number: */PP

Perforated shelf



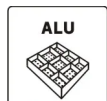
Order number: */PW

Reinforced shelf



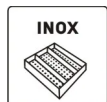
Order number: KUW GN*/*

Stainless steel cuvettes



Order number: ST/CHL/SWP ALU

Aluminum drawer with powder coated slides



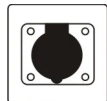
Order number: ST/CHL/SWP INOX

Stainless steel drawer with powder coated slides



Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



Order number: GNZ

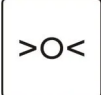
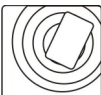
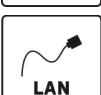
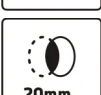
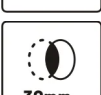
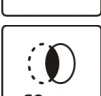
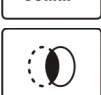
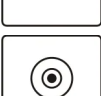
Internal socket



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	Order number: BRT/* /L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: */RK	Chart recorder
	Order number: ZKM	Magnetic door lock
	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
	Order number: KD	Access control
	Order number: CCTV	Camera inside the chamber
	Order number: CCTV CAM	Additional camera