POL-EKO
Perfect Environment

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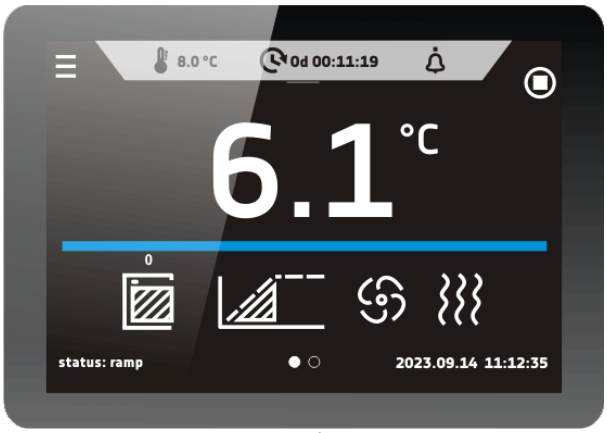
Data sheet

Laboratory Refrigerator
CHL 1450 Smart



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 controller:
- 4,3", clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen

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1	107
type	CHL 1450 Smart

TECHNICAL DATA

air convection	forced
chamber capacity [l]	1540
working capacity [l]	1525
controller	microprocessor PID
display	4,3" full colour touch screen

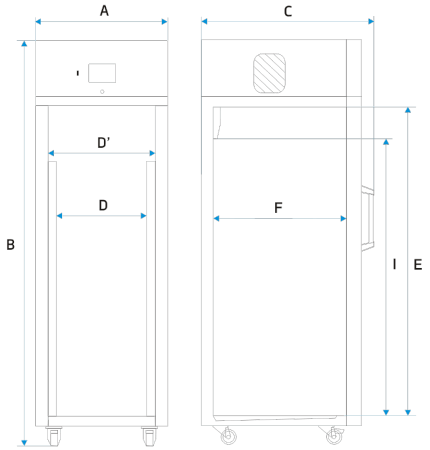
TEMPERATURE

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 1.0 to DIN 12880 / class 3.2 (option)

CHAMBER

door type	solid / glass or double (option) /4/ | solid (ZL)
interior	
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	acid-proof stainless steel to DIN 1.4301
PS Smart	acid-proof stainless steel to DIN 1.4301
housing	
C Smart	powder coated sheet
CS Smart	stainless steel polished
P Smart	powder coated sheet
PS Smart	stainless steel polished

overall dims [mm] /1/	
width A	1440
height B	1940
depth C	1060
internal dims [mm]	
width D	1270
width D'	1340
height E	1460
depth F	780
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]	200

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ELECTRICAL PARAMETERS	
voltage**	230V 50-60Hz
nominal power [W]	950
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO
txt_opis_pt	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, the width does not include the 20 mm of rubber plug 2 - on uniformly loaded surface 3 - reinforced shelf 4 - additional internal glass door
PL typ urządzenia	Laboratory Refrigerator
img_photo	CHL-1450-Smart
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nazwa www pl	Chłodziarka Laboratoryjna CHL 1450 Smart
nazwa www EN	Laboratory Refrigerator CHL 1450 Smart
nazwa www ES	Refrigerador de Laboratorio CHL 1450 Smart
ekran_grafika	chl_smart
	chłodziarki laboratoryjne
	chłodziarki laboratoryjne jednokomorowe
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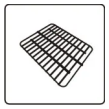
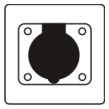
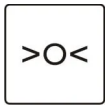
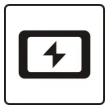
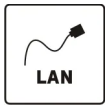
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1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug
2 - on uniformly loaded surface
3 - reinforced shelf
4 - additional internal glass door

OPTIONS AND ACCESSORIES

	Order number: */C	Internal glass door
	Order number: */A	External glass door
	Order number: */P	Wire shelf
	Order number: */P INOX	Stainless steel wire shelf INOX

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	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
	Order numberLabDesk	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: */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

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	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