



POL-EKO
Perfect Environment

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Data sheet

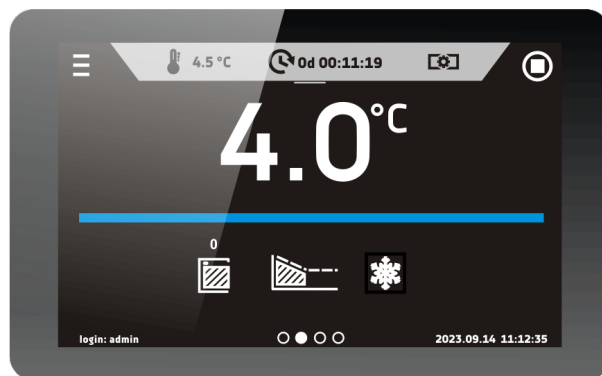
Laboratory Refrigerator CHL 3 Smart PRO



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.

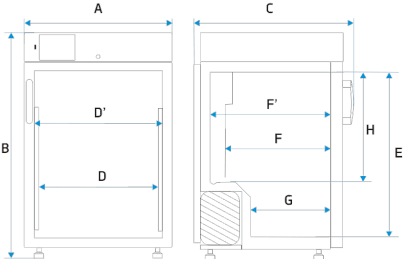
Advantages of the SMART PRO controller:

- 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



1	176
type	CHL 3 Smart PRO
TECHNICAL DATA	
air convection	forced
chamber capacity [l]	200
working capacity [l]	163
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
temperature protection	class 3.2 to DIN 12880
CHAMBER	
door type	solid / glass or double (option) /4/
interior	
C Smart PRO	stainless steel to DIN 1.4016
CS Smart PRO	stainless steel to DIN 1.4016
P Smart PRO	acid-proof stainless steel to DIN 1.4301
PS Smart PRO	acid-proof stainless steel to DIN 1.4301
housing	
C Smart PRO	powder coated sheet
CS Smart PRO	stainless steel polished
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished
overall dims [mm] /1/	
width A	600
height B	1100
depth C	650
internal dims [mm]	
width D	480
width D'	520
height E	860
depth F	420
depth F'	480
depth G	320
height H	640
	
shelves (standard max)	3 4
max shelf workload [kg] /2/	10
max unit workload [kg]	40
weight [kg]	61



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ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	250
refrigerant	R1234ze / GWP=7
warranty	24 months
manufacturer	POL-EKO
txt_opis_pt	<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: $K = \frac{T_{\text{average max.}} - T_{\text{average min.}}}{2}$; parameters given for the chamber above the bottom step</p> <p>** - other power supplies on request</p> <p>1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug</p> <p>2 - on uniformly loaded surface</p> <p>3 - reinforced shelf</p> <p>4 - additional internal glass door</p>
PL typ urządzenia	Laboratory Refrigerator
img_photo	CHL-3-Smart-PRO
<p>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.</p>	
nazwa www pl	Chłodziarka Laboratoryjna CHL 3 Smart PRO
nazwa www EN	Laboratory Refrigerator CHL 3 Smart PRO
nazwa www ES	Refrigerador de Laboratorio CHL 3 Smart PRO
ekran_grafika	chl_smart_pro
	chłodziarki laboratoryjne
0	1

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: $K = \frac{T_{\text{average max.}} - T_{\text{average min.}}}{2}$; parameters given for the chamber above the bottom step

** - other power supplies on request

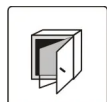
1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug

2 - on uniformly loaded surface

3 - reinforced shelf

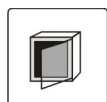
4 - additional internal glass door

OPTIONS AND ACCESSORIES



Order number: */C

Internal glass door



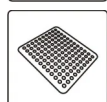
Order number: */A

External glass door



Order number: */P INOX

Stainless steel wire shelf INOX



Order number: */PP

Perforated shelf



Bank: ING BŚ o/Wodzisław Śląski | Nr rachunku: 90 1050 1403 1000 0022 0879 5498 | Nr rej. w BDO 000005609
NIP: 647-216-26-87 | REGON: 276111984 | Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy | KRS 0001009595



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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



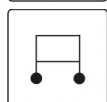
Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



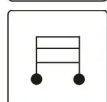
Order number: QLK*

Castors



Order number: */S or */S INOX

Table with castors



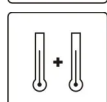
Order number: */ST or */S INOX

Base on castors



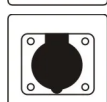
Order number: *PLUS

Automatic defrosting function



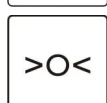
Order number: PT 100

Additional temperature sensor



Order number: GNZ

Internal socket



Order number: BRT/*/L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



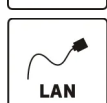
Order number: BPP 12

Battery backup for display



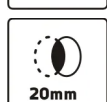
Order number: PORT ALARM

Dry alarm contact



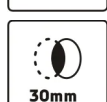
Order number: LANK

LAN cable



Order number: OCZ/20

Non-standard access port 20 mm



Order number: OCZ/30

Additional access port 30 mm



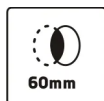
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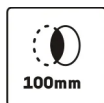
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Order number: OCZ/60

Non-standard access port 60 mm



Order number: OCZ/100

Non-standard access port 100 mm



Order number: KD

Access control