



Data sheet

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Laboratory Refrigerator CHL 4 Smart PRO



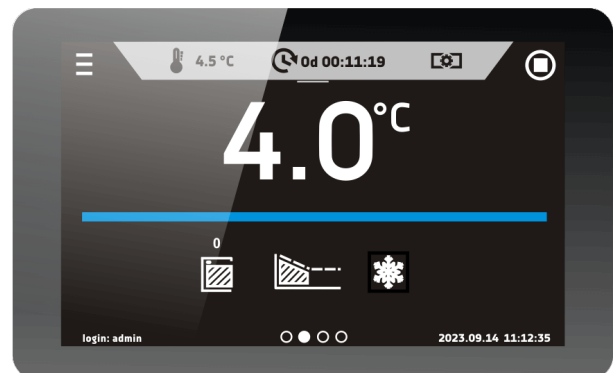
The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

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

Features:

- open door alarm
- internal LED light
- access port for external sensor (Ø30 mm) on the left side of the unit
- door lock
- automatic defrost function



Smart PRO - preview screen



TECHNICAL DATA

air convection	forced
chamber capacity [l]	259
working capacity [l]	212
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]*	0,8
temperature protection	class 3.2 to DIN 12880

CHAMBER

door type	solid / glass or double (option) /4/
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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

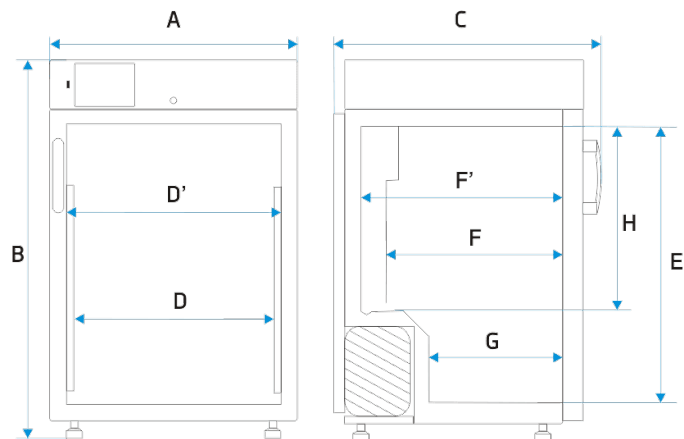
C Smart PRO	powder coated sheet
CS Smart PRO	stainless steel polished
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/

width A	610
height B	1300
depth C	650

internal dims [mm]

width D	480
width D'	520
height E	1060
depth F	420
depth F'	480
depth G	320
height H	840



shelves (standard max)	4 6
max shelf workload [kg] /2/	10
max unit workload [kg]	50
weight [kg]	82



ELECTRICAL PARAMETERS

voltage	230V 50/60Hz
nominal power [W]	250
refrigerant	R1234ze / GWP=7
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: $K = \frac{T_{average\ max.} - T_{average\ min.}}{2}$; 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



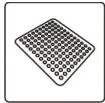
Order number: */AS

glass door with SMART WINDOW option



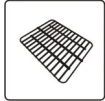
Order number: */P INOX

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



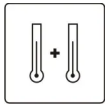
Order number: ST/CHL/SWP INOX

Stainless steel drawer with stainless steel slides



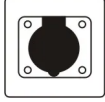
Order number: QLK*

Castors



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: RFID LOCK (SMART PRO)

RFID LOCK (SMART PRO)



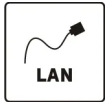
Order number: BPP 12

Battery backup for display



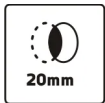
Order number: PORT ALARM

Dry alarm contact



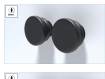
Order number: LANK

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