

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

TECHNICAL DATA

air convection	forced
chamber capacity [l]	200
working capacity [l]	163
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE

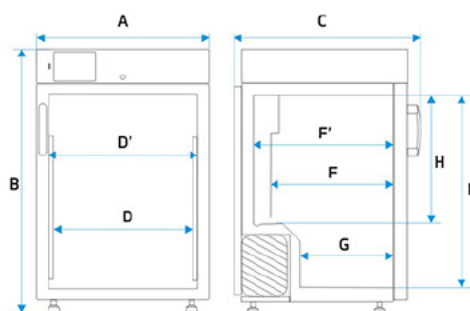
temperature range [°C]	0...+15
temperature resolution every ... [°C]	0,1
temperature fluctuation at 4°C [±/°C]*	0,4
temperature variation at 4°C [±/°C]*	0,7
over temperature protection	class 3.2 to DIN 12880

CHAMBER

door type	solid / glass or double (option) /5/
interior	
P Smart PRO	DIN 1.4301
PS Smart PRO	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	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

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	250
refrigerant	R1234ze / GWP=1
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	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 2 - on uniformly loaded surface 3 - reinforced shelf 4 - reinforced version 5 - additional internal glass door

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

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



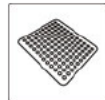
Order number: */A

External glass door



Order number: */P INOX

Stainless steel wire shelf INOX



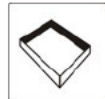
Order number: */PP

Perforated shelf



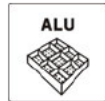
Order number: */PW

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



INOX/INOX

Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



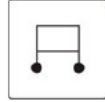
Order number: ORG-FARM

Pharma organizer



Order number: QLK*

Wheels



Order number: */S or */S INOX

Table with wheels



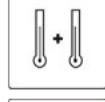
Order number: */ST or */S INOX

Base on castors



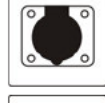
Order number: *PLUS

Automatic defrosting function



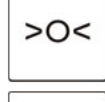
Order number: PT 100

Additional temperature sensor



Order number: GNZ

Internal socket



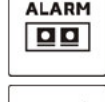
Order number: BRT/*/L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



Order number: BPP 12

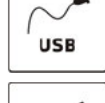
Battery backup for display



ALARM

Order number: PORT ALARM

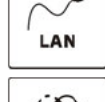
Dry alarm contact



USB

Order number: USBK

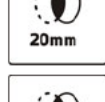
USB cable



LAN

Order number: LANK

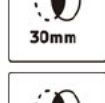
LAN cable



20mm

Order number: OCZ/20

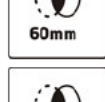
Non-standard access port 20 mm



30mm

Order number: OCZ/30

Additional access port 30 mm



60mm

Order number: OCZ/60

Non-standard access port 60 mm



100mm

Order number: OCZ/100

Non-standard access port 100 mm

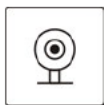


Part Science • Part Art



Order number: KD

Access control



Order number: CCTV

Camera inside the chamber



Order number: CCTV CAM

Additional camera