



## Data sheet

print date: 2026-06-15

## Laboratory Refrigerator CHL 1200 Smart



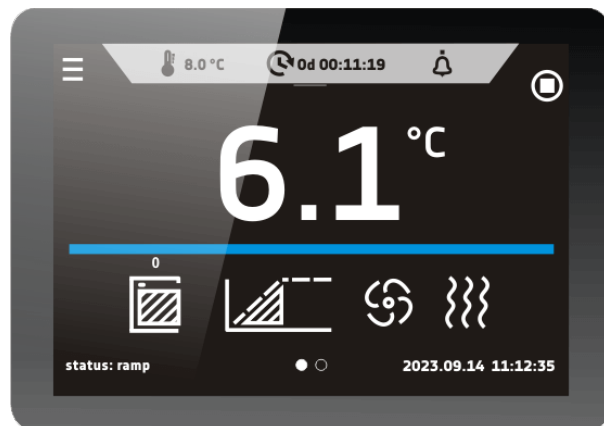
The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

### 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

### 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 - preview screen

**TECHNICAL DATA**

air convection	forced
chamber capacity [l]	1397
working capacity [l]	1318
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
temperature variation at 4°C [±/°C]*	1,2
temperature protection	class 1.0 to DIN 12880 / class 3.2 (option)

**CHAMBER**

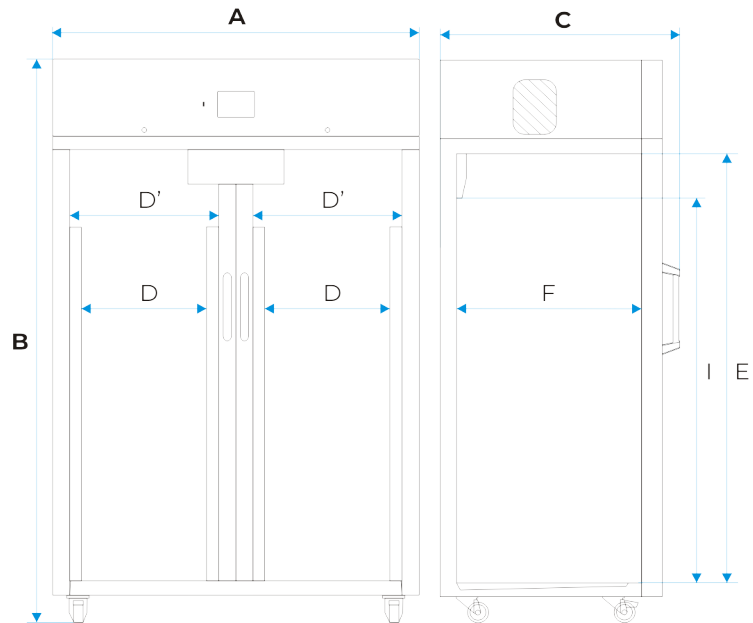
door type	solid / glass or double (option) /4/
<b>interior</b>	
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	acid-proof stainless steel to DIN 1.4301
PS Smart	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
C Smart	powder coated sheet
CS Smart	stainless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

**overall dims [mm] /1/**

width A	1470
height B	1990
depth C	900

**internal dims [mm]**

width D	2 x 540
width D'	1330
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]	221



### 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

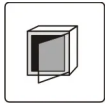
4 - additional internal glass door

### OPTIONS AND ACCESSORIES



Order number: \*/C

Internal glass door



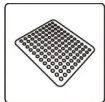
Order number: \*/A

External glass door



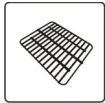
Order number: \*/P INOX

Stainless steel wire shelf INOX



Order number: \*/PP

Perforated shelf



Order number: \*/PW

Reinforced shelf



Order number: KUW GN\*/\*

Stainless steel cuvettes



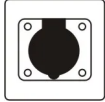
Order number: ST/CHL/SWP ALU

Aluminum drawer with powder coated slides



Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



Order number: GNZ


Internal socket





Order number: LabDesk

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: RFID LOCK (SMART) RFID LOCK (SMART)

 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