



## Data sheet

print date: 2026-05-17

## Laboratory Refrigerator CHL 5 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.

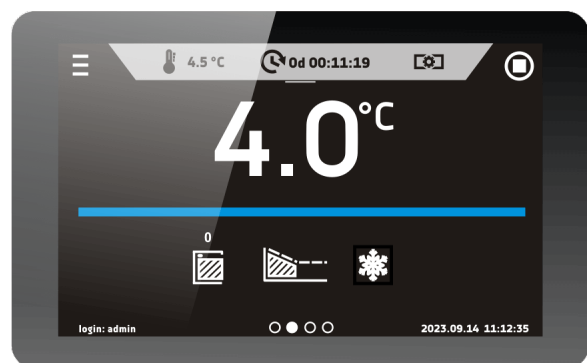
### Advantages of the SMART PRO controller:

- 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] | 312                         |
| working capacity [l] | 255                         |
| 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]*   | 0,9                    |
| 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**

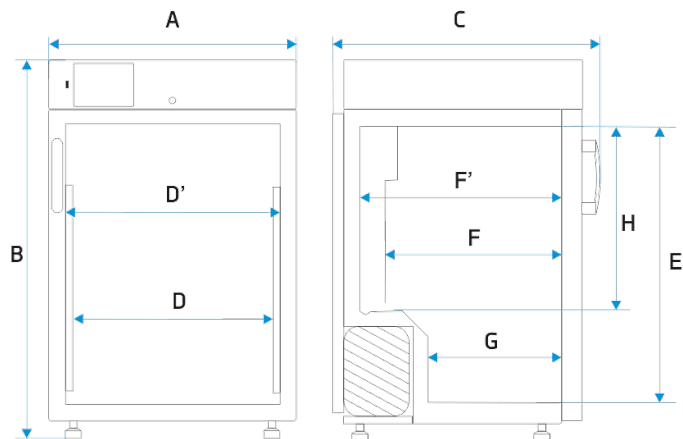
|              |                          |
|--------------|--------------------------|
| C Smart PRO  | powder coated sheet      |
| CS Smart PRO | stainless steel polished |
| P Smart PRO  | powder coated sheet      |
| PS Smart PRO | stainless steel polished |

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

|          |      |
|----------|------|
| width A  | 610  |
| height B | 1500 |
| depth C  | 650  |

**internal dims [mm]**

|          |      |
|----------|------|
| width D  | 480  |
| width D' | 520  |
| height E | 1260 |
| depth F  | 420  |
| depth F' | 480  |
| depth G  | 320  |
| height H | 1040 |



|                             |       |
|-----------------------------|-------|
| shelves (standard   max)    | 4   7 |
| max shelf workload [kg] /2/ | 10    |
| max unit workload [kg]      | 60    |
| weight [kg]                 | 89    |



**ELECTRICAL PARAMETERS**

|                   |                 |
|-------------------|-----------------|
| voltage           | 230V 50/60Hz    |
| nominal power [W] | 350             |
| 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:  $K = \frac{T_{\text{average max.}} - T_{\text{average min.}}}{2}$ ; 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: \*/AS

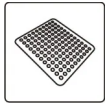
glass door with SMART WINDOW option



**INOX**

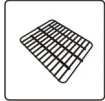
Order number: \*/P INOX

Stainless steel wire shelf INOX



Order number: \*/PP

Perforated shelf



Order number: \*/PW

Reinforced shelf



Order number: KUW GN\*/\*

Stainless steel cuvettes



**ALU**

Order number: ST/CHL/SWP ALU

Aluminum drawer with powder coated slides



**INOX/INOX**

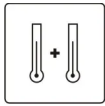
Order number: ST/CHL/SWP INOX

Stainless steel drawer with stainless steel slides



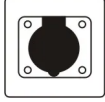
Order number: QLK\*

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)



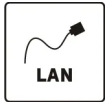
Order number: BPP 12

Battery backup for display



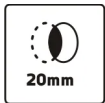
Order number: PORT ALARM

Dry alarm contact



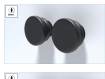
Order number: LANK

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