

## Data sheet

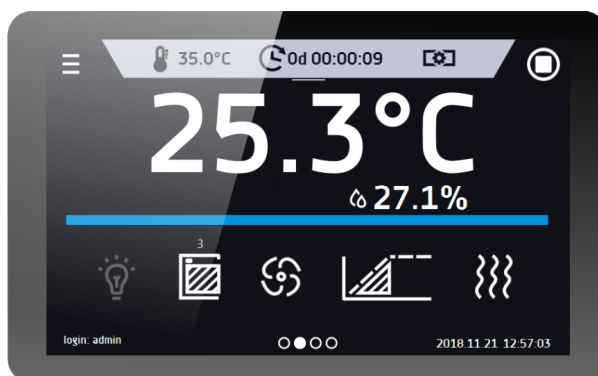
## Laboratory Refrigerator CHL 1200 Smart PRO



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] | 1365                        |
| working capacity [l] | 1355                        |
| controller           | microprocessor PID          |
| display              | 7" full colour touch screen |

## TEMPERATURE

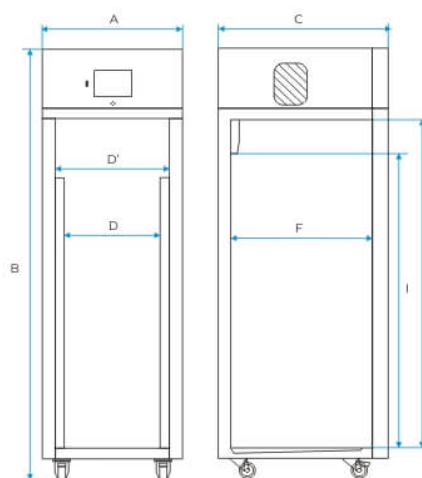
|                                        |                        |
|----------------------------------------|------------------------|
| temperature range [°C]                 | 0...+15                |
| temperature resolution every ... [°C]  | 0,1                    |
| temperature fluctuation at 4°C [±/°C]* | 1,0                    |
| temperature variation at 4°C [±/°C]*   | 1,2                    |
| over temperature protection            | class 3.2 to DIN 12880 |

## CHAMBER

|                 |                                          |
|-----------------|------------------------------------------|
| door            | solid / glass or double (option) /5/     |
| <b>interior</b> |                                          |
| P Smart PRO     | acid-proof stainless steel to DIN 1.4301 |
| PS Smart PRO    | acid-proof stainless steel to DIN 1.4301 |
| <b>housing</b>  |                                          |
| P Smart PRO     | powder coated sheet                      |
| PS Smart PRO    | stainless steel polished                 |

## overall dims [mm] /1/

|                           |      |
|---------------------------|------|
| A width                   | 1480 |
| B height                  | 1990 |
| depth C                   | 890  |
| <b>internal dims [mm]</b> |      |
| width D                   | 1270 |
| width D'                  | 1340 |
| 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]                              | 185        |

## ELECTRICAL PARAMETERS

|                   |                   |
|-------------------|-------------------|
| power supply      | 230V 50-60Hz      |
| nominal power [W] | 650               |
| refrigerant       | R290 / GWP=3      |
| warranty          | 24 months         |
| manufacturer      | POL-EKO-APARATURA |

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

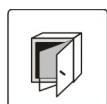
2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

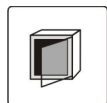
5 - additional internal glass door

## OPTIONS AND ACCESSORIES



Order number: \*/C

Internal glass door



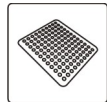
Order number: \*/A

External glass door



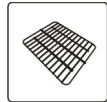
Order number: \*/P INOX

Stainless steel wire shelf INOX



Order number: \*/PP

Perforated shelf



Order number: \*/PW

Reinforced shelf



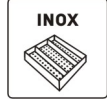
Order number: KUW GN\*/\*

Stainless steel cuvettes



Order number: ST/CHL/SWP ALU

Aluminum drawer with powder coated slides



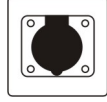
Order number: ST/CHL/SWP INOX

Stainless steel drawer with powder coated slides



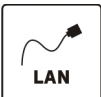
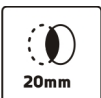
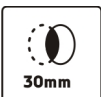
Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



Order number: GNZ

Internal socket

|                                                                                     |                                  |                                          |
|-------------------------------------------------------------------------------------|----------------------------------|------------------------------------------|
|    | Order number: BRT/*L or IQ/OQ/PQ | Calibration and IQ, OQ, PQ qualification |
|    | Order number: */RK               | Chart recorder                           |
|    | Order number: ZKM                | Magnetic door lock                       |
|    | Order number: BPP 12             | Battery backup for display               |
|    | Order number: PORT ALARM         | Dry alarm contact                        |
|    | Order number: USBK               | USB cable                                |
|   | 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          |
|  | Order number: KD                 | Access control                           |
|  | Order number: CCTV               | Camera inside the chamber                |
|  | Order number: CCTV CAM           | Additional camera                        |