



Data sheet

print date: 2025-04-18

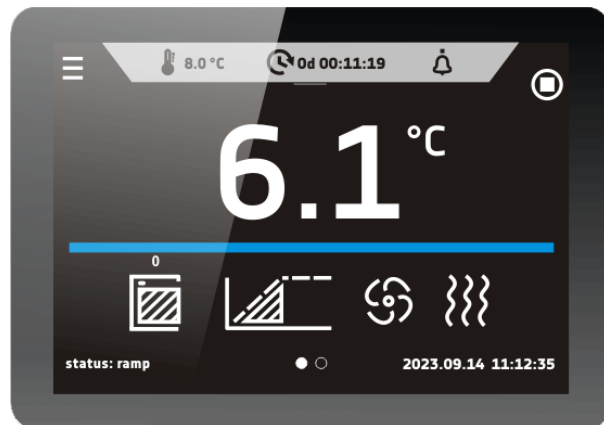
Laboratory Refrigerator CHL 2 Smart



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



Smart - preview screen

**TECHNICAL DATA**

air convection	forced
chamber capacity [l]	150
working capacity [l]	122
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]*	0,4
temperature variation at 4°C [±/°C]*	0,7
temperature protection	class 1.0 to DIN 12880 / class 3.2 (option)

CHAMBER

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

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

housing

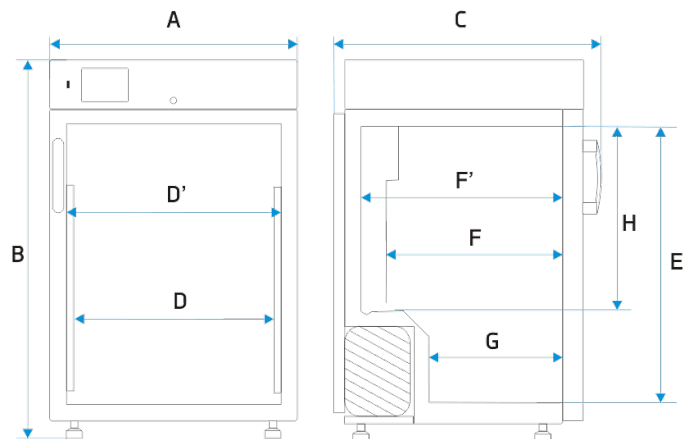
C Smart	powder coated sheet
CS Smart	stainless steel polished
P Smart	powder coated sheet
PS Smart	stainless steel polished

overall dims [mm] /1/

width A	610
height B	900
depth C	650

internal dims [mm]

width D	480
width D'	520
height E	660
depth F	420
depth F'	480
depth G	320
height H	440



shelves (standard max)	3 4
max shelf workload [kg] /2/	10
max unit workload [kg]	30
weight [kg]	63



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: $K = \frac{T_{average\ max.} - T_{average\ min.}}{T}$ / 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

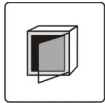
4 - additional internal glass door

OPTIONS AND ACCESSORIES



Order number: */C

Internal glass door



Order number: */A

External glass door



Order number: */AS

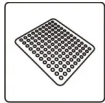
glass door with SMART WINDOW option



INOX

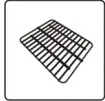
Order number: */P INOX

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

Order number: ST/CHL/SWP INOX

Stainless steel drawer with powder coated slides


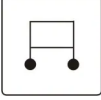
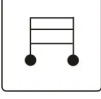

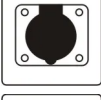

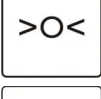

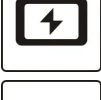

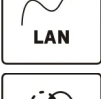







INOX/INOX

Order number: ST/CHL/SWP INOX

Stainless steel drawer with stainless steel slides



	Order number: QLK*	Castors
	Order number: */S or */S INOX	Table with castors
	Order number: */ST or */S INOX	Base on castors
	Order number: *PLUS	Automatic defrosting function
	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: 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
	Order number: KD	Access control