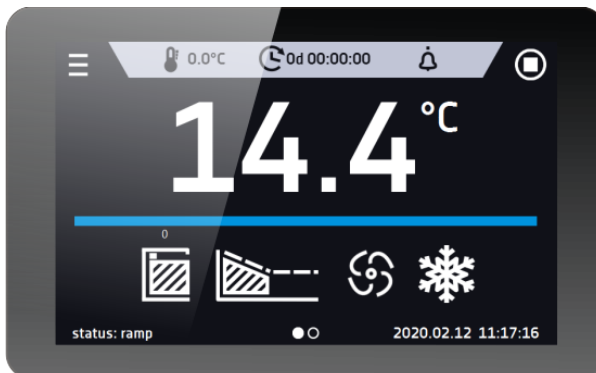# Data sheet

CHL 3 / ST 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

(+48) 32 453 91 70
info@pol-eko.com.pl
www.pol-eko.com.pl

POL-EKO A.Polok-Kowalska sp.k.
44-300 Wodzisław Śląski
ul. Kokoszycka 172 C

TECHNICAL DATA

air convection	forced
chamber capacity [l]	200 / 150
working capacity [l]	163 / 122
controller	microprocessor PID
display	4,3" full colour touch screen

TEMPERATURE

temperature range [°C]	0...+15 / +3...+40
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,3
temperature fluctuation at 4°C [+/-°C]*	0,4
temperature variation at 37°C [+/-°C]*	0,6
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/
interior	
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	DIN 1.4301
PS Smart	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	600
height B	1910
depth C	650
internal dims [mm]	
width D	480
width D'	520
height E	860 / 660
depth F	420
depth F'	480
depth G	320
height H	640 / 440
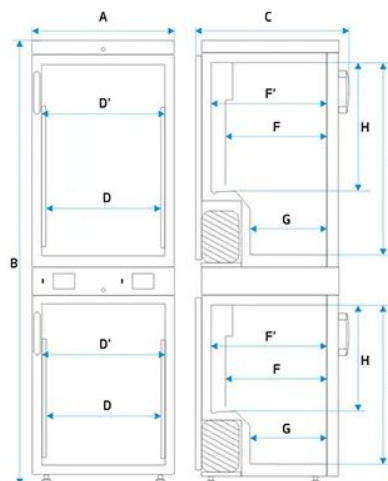
shelves (standard | max)	3 | 4 / 3 | 4
max shelf workload [kg] /2/	10
max unit workload [kg]	30 / 30
weight [kg]	114

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ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	500
refrigerant	R1234ze / GWP=1
warranty	24 months

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= +/- (T average max. - T 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
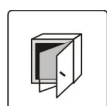
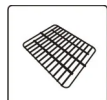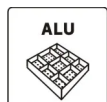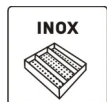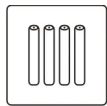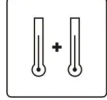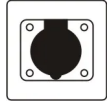|		
	Order number: */C	Internal glass door
	Order number: */A	External glass door
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: ST/CHL/SWP ALU	Aluminum 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: ORG-FARM	Pharma organizer
	Order number: *PLUS	Automatic defrosting function
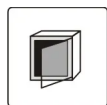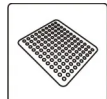
Bank: ING BŚ o/Wodzisław Śląski | **Nr rachunku:** 90 1050 1403 1000 0022 0879 5498 | **Nr rej. w BDO** 000005609
NIP: 647-216-26-87 | **REGON:** 276111984 | Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy | **KRS** 0001009595

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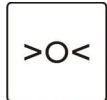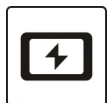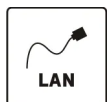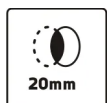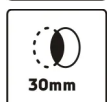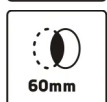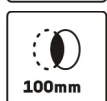|		
	Order number: */FOT	Photoperiodic system
	Order number: PT 100	Additional temperature sensor
	Order number: GNZ	Internal socket
>O<	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: BPP 12	Battery backup for display
ALARM	Order number: PORT ALARM	Dry alarm contact
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