Data sheet

Laboratory Refrigerator CHL 3 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.

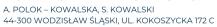
Advantages of the SMART controller:

- 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 downloadQuick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen





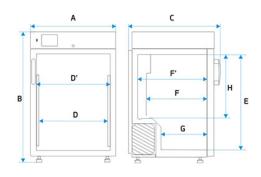


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TECHNICAL DATA	
air convection	forced
chamber capacity [I]	200
working capacity [I]	163
controller	microprocessor PID
display	4,3" full colour touch screen
TEMPERATURE	
temperature range [°C]	0+15
temperature resolution every [°C]	0,1
temperature fluctuation at $4^{\circ}C$ [+/- $^{\circ}C$]*	0,4
temperature variation at 4°C [+/-°C]*	0,7
over temperature protection	class 1.0 to DIN 12880 / class 3.2 (option)
CHAMBER	
door type	solid / glass or double (option) /5/
interior	
B Smart	aluminium
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	
B Smart	powder coated sheet
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	620
height B	1100
depth C	650
internal dims [mm]	
width D	480
width D'	520
height E	860
depth F	420
depth F'	480
depth G	320
height H	640



shelves (standard max)	3 4
max shelf workload [kg] /2/	10
max unit workload [kg]	40
weight [kg]	59





ELECTRICAL PARAMETERS			
voltage**	230V 50Hz		
nominal power [W]	250		
refrigerant	R1234ze / GWP=1		
warranty 24 months			
manufacturer	POL-EKO-APARATURA		
txt_opis pod tabelą	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 ** - 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		
PL typ urządzenia	Laboratory Refrigerator		

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* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

K = +/- (T average max. - T 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	Wire shelf

INOX	Order number: */P INOX	Stainless steel wire shelf INOX

All Inc.		
	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



Order number: */PP

Perforated shelf



A. POLOK – KOWALSKA, S. KOWALSKI 44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

INOX	

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: QLK* Wheels



Order number: */S or */S INOX Table with wheels



Order number: */ST or */S INOX Base on castors



Order number: *PLUS Automatic defrosting function



Order number: GNZ Internal socket



Order number: OCZ/N Non-standard access port for external sensor



Order numberLabDesk LabDesk software



Order number: BRT/*/L or IQ/OQ/PQ Calibration and IQ, OQ, PQ qualification

DIN 3.2

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

