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

Laboratory Refrigerator Data sheet 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 download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen





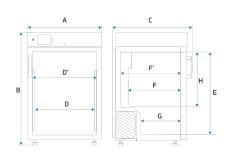
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TECHNICAL DATA				
air convection	forced			
chamber capacity [I]	200			
working capacity [I]	163			
controller	microprocessor PID			
display	4,3" full colour touch screen			
TEMPERATURE				
temperature range [°C]	0+15			
temperature resolution every [°C]	0,1			
temperature fluctuation at 4°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/ solid (ZL)			
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]

width A	600
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]	61



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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= +/- (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	Wire shelf
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/SWPN INOX	Stainless steel drawer with stainless steel slides











Order number: ORG-FARM Pharma organizer



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 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



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

