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

Data sheet

Laboratory Freezer ZLN-T 200 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 $% \left(1\right) =\left(1\right) \left(1\right$
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on



Smart - preview screen





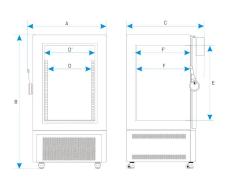
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	TECHNICAL DATA		
air convection	natural		
chamber capacity [I]	210		
working capacity [I]	180		
controller	microprocessor PID		
display	4,3" full colour touch screen		
insulation type	polyurethane foam		
TEMPERATURE			
temperature range [°C]	-400		
temperature resolution every [°C]	0,1		
temperature fluctuation at -20°C [+/-°C]*	0,5		
temperature variation at -20°C [+/-°C]*	2,5		
temperature protection	class 3.2 to DIN 12880 (option)		
CHAMBER			
door type	solid		
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		

		r	13.1
overall	aims	լաայ	/1/

width A	820
height B	1380
depth C	810
internal dims [mm]	
width D	450
width D'	520
height E	770
depth F	520
depth F'	530



shelves (standard max)	2 4
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	65
- reinforced unit version (W) [kg] /4/	130
weight [kg]	120





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ELECTRICAL PARAMETERS		
voltage**	230V 50-60Hz	
nominal power [W]	450	
refrigerant	R290 / GWP=3	
warranty	24 months	

all the above technical data refer to standard units (without optional accessories)

st - 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

OPTIONS AND ACCESSORIES

		Order number: */PP	Perforated shelf
	\odot	Order number: */PO	Full shelf with hole
		Order number: */PW	Reinforced shelf
		Order number: KUW GN*/*	Stainless steel cuvettes
	KG	Order number: */W	Reinforced version
		Order number: OWW/OWW LED	Interior lighting
	LAB DESK	Order numberLabDesk	LabDesk software
>	>0<	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification



DIN

Order number: */3.2

Order number: BPP 12

ALARM Order number: PORT ALARM Dry alarm contact



Battery backup for display

Over temperature protection 3.2 class according to DIN 12880



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Order number: KD

Access control

