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POL-EKO A.Polok-Kowalska sp.k. 44-300 Wodzisław Śląski

ul. Kokoszycka 172 C

Laboratory Incubator CLN 180 Smart PRO

Data sheet



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 PRO controller:

- large (7"), clear, full colour touch screen
- LAN, USB ports and WiFi for communication and data transfer
- multi-segment time and temperature programs
- overview of data in tabular and graphic form
- visual and sound alarmAdmin function for management
- password protected log-in
- internal memory for programs and data storage
- event registry with user notifications
- LabDesk software and user manual for direct download



Smart PRO - preview screen





type

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CLN 180 Smart PRO

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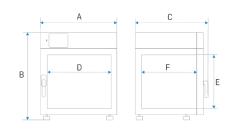
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TECHNICAL DATA				
air convection	natural			
chamber capacity [I]	180			
working capacity [I]	180			
controller	microprocessor PID			
display	7" full colour touch screen			
TEMPERATURE				
temperature range [°C]	5°C above ambient temperature $+100^{\circ}\text{C}$			
temperature resolution every [°C]	0,1			
temperature fluctuation at 37°C [+/-°C]*	0,2			
temperature variation at 37°C [+/-°C]*	0,8			
temperature protection	class 3.1 to DIN 12880			

temperature protection	0.035 5.12 to 5.11 12000	0.000 0.11 to 0.11 12000	
CHAMBER			
door type	double(5) / door with viewing window (option)		
interior			
Smart PRO	acid-proof stainless steel to DIN 1.4301		
IG Smart PRO	acid-proof stainless steel to DIN 1.4301		
housing			
Smart PRO	powder coated sheet		
IG Smart PRO	stainless steel linen finish		

overall dims [mm] /1/

Overall allis [illin] / 2/	
width A	660
height B	1040
depth C	820
internal dims [mm]	
width D	470
height E	720
depth F	560



shelves (standard max)	3 9
max shelf workload [kg] /2/	25
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	75
- reinforced unit version (W) [kg] /4/	120
weight [kg]	92





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voltage**	230V 50-60Hz	
nominal power [W]	650	
warranty	24 months	
manufacturer	POL-EKO	
txt_opis_pt	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, the width does not include the 20 mm of rubber plug 2 - on uniformly loaded surface 3 - reinforced shelf 4 - additional internal glass door	
PL typ urządzenia	Laboratory Incubator	
img_photo	CLN-180-Smart-PRO	
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.	The photo above is for reference only, may show additional options not included in standar equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.	
nazwa www pl	Cieplarka Laboratoryjna CLN 180 Smart PRO	
nazwa www EN	Laboratory Incubator CLN 180 Smart PRO	
nazwa www ES	Incubadora de Laboratorio CLN 180 Smart PRO	
ekran_grafika	cl_smart_pro	
	cieplarki laboratoryjne	
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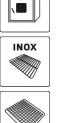
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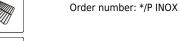
K = +/- (T average max. - T average min.) / 2

- ** 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: */A door with viewing window



Stainless steel wire shelf INOX



Order number: */PP Perforated shelf



Order number: */PW Reinforced shelf

qualification



	Perfect Environment	www.poi-eko.com.pi	ui. Kukuszycka 1/2
	•	шинананан	The second
	Order number: KUW GN*/*		Stainless steel cuvettes
	Order number: QLK*		Castors
	Order number: */S or */S INOX		Table with castors
	Order number: */ST or */S INOX		Base on castors
KG	Order number: */W		Reinforced version
	Order number: OWW/OWW LED		Interior lighting
•	Order number: PT 100		Additional temperature sensor
НЕРА	Order number: HEPA		HEPA Clean Air Filter
>0<	Order number: BRT/*/L or IQ/OQ/PQ		Calibration and IQ, OQ, PQ quali
4	Order number: BPP 12		Battery backup for display
ALARM D D	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

