POL-EKO
Perfect Environment

(+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

Data sheet

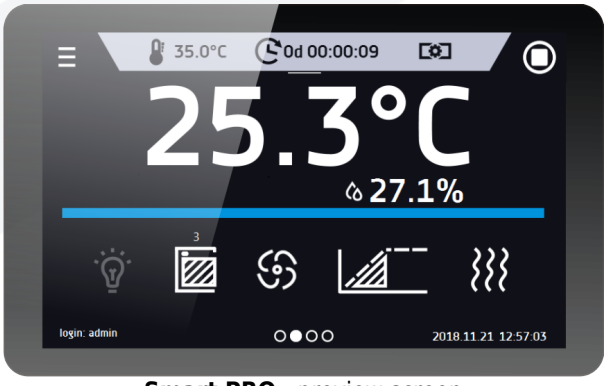
CO_2 Incubator

ILC 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.

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 alarm
- Admin 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

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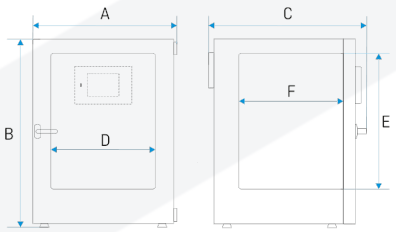
TECHNICAL DATA	
air convection	natural (without fan)
chamber capacity [l]	182
working capacity [l]	135 /3/
controller	microprocessor PID
display	7" full colour touch screen
TEMPERATURE	
temperature range [°C]	5°C above ambient temperature ... +50°C
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,1
temperature variation at 37°C [+/-°C]*	0,3
Temperature recovery time after 30 seconds door opening at 37°C [min]	6
temperature protection	class 3.1 to DIN 12880
CO_2	
CO_2 range [%]	0-20
CO_2 resolution every ... [%]	0,1
CO_2 measurement	IR
CO_2 recovery time after 30 seconds door opening at 5 Vol.-% CO2 [min]	10
relative humidity range [%]	90-95
CHAMBER	
door type	double (external solid, internal glass)
interior	
Smart PRO	DIN 1.4301
housing	
Smart PRO	powder coated sheet

overall dims [mm] /1/	
width A	700
height B	920
depth C	780
internal dims [mm]	
width D	560
height E	650
depth F	500



shelves (standard | max)	3 / 6
max shelf workload [kg] /2/	10
max unit workload [kg]	30
weight [kg]	96

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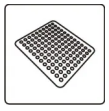
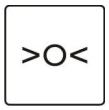
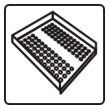
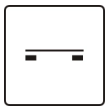
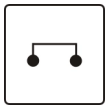
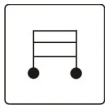
ELECTRICAL PARAMETERS	
Energy consumption at 37°C [Wh/h]	66
voltage**	230V 50-60Hz
nominal power [W]	1700
Noise level [db(A)]	42
warranty	24 months
manufacturer	POL-EKO

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
** - other power supplies on request
1 - depth doesn't include 50 mm of power cable
2 - on uniformly loaded surface
3 - doesn't include rack for shelves

OPTIONS AND ACCESSORIES

	Order number: */PP	Perforated shelf
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: */PPW	Reinforced perforated shelf
	Order number: */AD	Stacking adaptor
	Order number: */STN	Base on castors
	Order number: */STW	Support frame on castors