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

Data sheet

Cooled Incubator (ST) with freezer ST 2 / ZLN 85 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





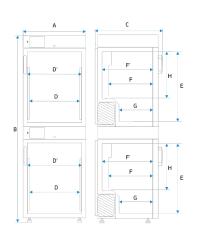
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TECHNICAL DATA	
air convection	forced / natural
chamber capacity [I]	150 / 85
working capacity [I]	122 / 73
controller	microprocessor PID
display	7" full colour touch screen
TEMPERATURE	
temperature range [°C]	+3+70 / 0+15
temperature resolution every [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,3
temperature fluctuation at -20°C [+/-°C]*	0,5
temperature variation at 37°C [+/-°C]*	0,6
temperature variation at -20°C [+/-°C]*	2
temperature protection	class 3.2 to DIN 12880
CHAMBER	
door type	solid / glass or double (option) /4/ solid (ZL)
interior	
C Smart PRO	stainless steel to DIN 1.4016
CS Smart PRO	stainless steel to DIN 1.4016
P Smart PRO	DIN 1.4301
PS Smart PRO	DIN 1.4301
housing	
C Smart PRO	powder coated sheet
CS Smart PRO	stainless steel polished
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall	dims	[mm] /1/	
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width A	600
height B	1720
depth C	650
internal dims [mm]	
width D	480 / 380
width D'	520 / 420
height E	660 / 590
depth F	420 / 400
depth F'	480 / 440
depth G	320 / 230
height H	440 / 380



shelves (standard max)	3 4 / 2 4
max shelf workload [kg] /2/	10
max unit workload [kg]	30 / 30
weight [kg]	116





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ELECTRICAL PARAMETERS	
voltage**	230V 50-60Hz
nominal power [W]	500
refrigerant	R1234ze / GWP=7 R290 / GWP=3
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
	INOX	Order number: */P INOX	Stainless steel wire shelf INOX
(Order number: */PP	Perforated shelf

	Order number: */PW	Reinforced shelf

Order number: KUW GN*/*

	J	
ALU		
	Order number: ST/CHL/SWP ALU	Aluminum drawer with powder coated slides
(A)(A)		F

	order maniber: 31/emgsw 7/E0	Administration with powder coulded shades
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

lacksquare	J	
744		
**	Order number: *PLUS	Automatic defrosting function



Stainless steel cuvettes



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Order number: ST/70 Extended temperature range to 70°C



Order number: */FOT Photoperiodic system



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

