POL-EKO
Perfect Environment

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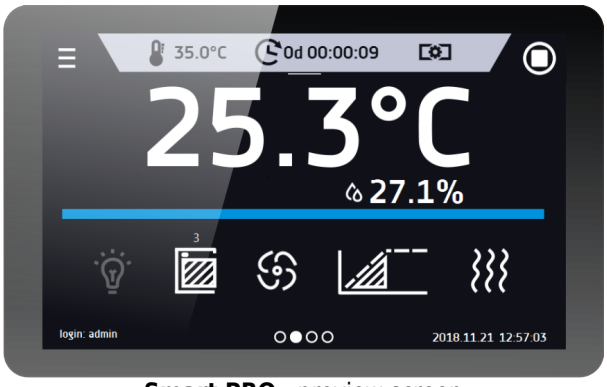
Data sheet

Cooled Incubator (ST)
ST 5 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
chamber capacity [l]	300
working capacity [l]	243
controller	microprocessor PID
display	7" full colour touch screen

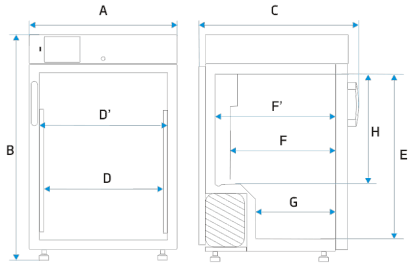
TEMPERATURE

temperature range [°C]	+3...+70
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,3
temperature variation at 37°C [+/-°C]*	0,6
temperature protection	class 3.3 to DIN 12880

CHAMBER

door type	solid / glass or double (option) /4/
interior	
P Smart PRO	acid-proof stainless steel to DIN 1.4301
PS Smart PRO	acid-proof stainless steel to DIN 1.4301
housing	
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/	
width A	600
height B	1500
depth C	650
internal dims [mm]	
width D	480
width D'	520
height E	1260
depth F	420
depth F'	480
depth G	320
height H	1040



shelves (standard | max)	4 | 7
max shelf workload [kg] /2/	10
max unit workload [kg]	60
weight [kg]	75

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ELECTRICAL PARAMETERS	
voltage**	230V 50-60Hz
nominal power [W]	350
refrigerant	R1234ze / GWP=1
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 INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: ST/CHL/SWP ALU	Aluminum drawer with powder coated slides
	Order number: ST/CHL/SWP INOX	Stainless steel drawer with powder coated slides
	Order number: ST/CHL/SWPN INOX	Stainless steel drawer with stainless steel slides
	Order number: ORG-FARM	Pharma organizer

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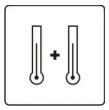
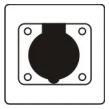
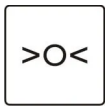
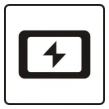
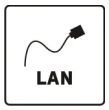
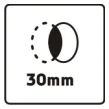
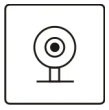
 Order number: QLK*	Castors
 Order number: *PLUS	Automatic defrosting function
 Order number: PT 100	Additional temperature sensor
 Order number: GNZ	Internal socket
 Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
 Order number: BPP 12	Battery backup for display
 Order number: 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
 Order number: CCTV	Camera inside the chamber
 Order number: CCTV CAM	Additional camera