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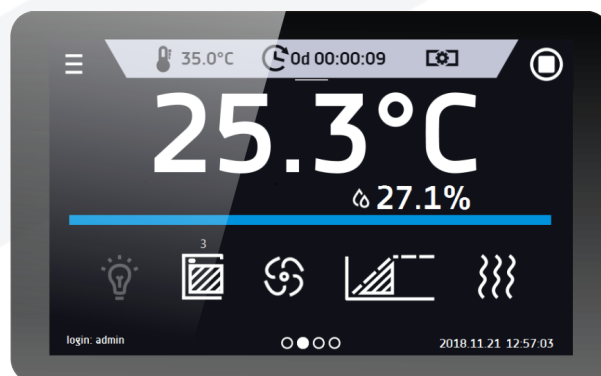# Data sheet

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 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]	500
working capacity [l]	469
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE

|	
temperature range [°C]	0...+15
temperature resolution every ... [°C]	0,1
temperature fluctuation at 4°C [+/-°C]*	0,6
temperature variation at 4°C [+/-°C]*	1,0
temperature protection	class 3.2 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	640
height B	1990
depth C	880
internal dims [mm]	
width D	480
width D'	510
height E	1510
depth F	610
height I	1380
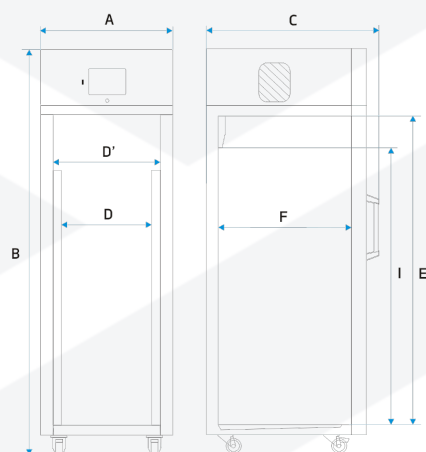
shelves (standard | max)	3 | 11
max shelf workload [kg] /2/	20
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	100
weight [kg]	105

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ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	650
refrigerant	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
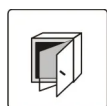** - other power supplies on request
1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug
2 - on uniformly loaded surface
3 - reinforced shelf
4 - additional internal glass door

OPTIONS AND ACCESSORIES

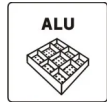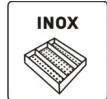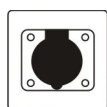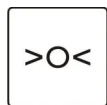|		
	Order number: */C	Internal glass door
	Order number: */A	External glass door
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: ST/CHL/SWP ALU	Aluminum 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: QLK*	Castors
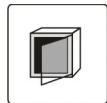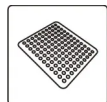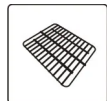
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 Order number: GNZ — Internal socket

 Order number: BRT/*/L or IQ/OQ/PQ — Calibration and IQ, OQ, PQ qualification
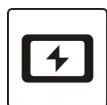
 Order number: */RK — Chart recorder
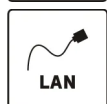
 Order number: ZKM — Magnetic door lock

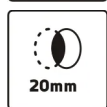 Order number: BPP 12 — Battery backup for display
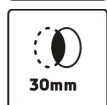
 Order number: PORT ALARM — Dry alarm contact
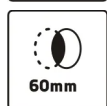
 Order number: LANK — LAN cable

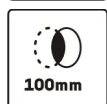 Order number: OCZ/20 — Non-standard access port 20 mm

 Order number: OCZ/30 — Additional access port 30 mm
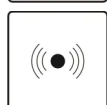
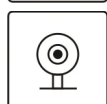 Order number: OCZ/60 — Non-standard access port 60 mm

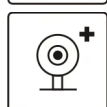 Order number: OCZ/100 — Non-standard access port 100 mm

 Order number: KD — Access control

 Order number: CCTV — Camera inside the chamber

 Order number: CCTV CAM — Additional camera

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