Data sheet

Cooled Incubator (ST)
ST 4 Smart

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 controller:
- 4,3", clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on

Smart - preview screen

ISOCERT CERTIFICATE
PN-EN ISO 9001

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POL-EKO-APARATURA SP. J.
A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

TECHNICAL DATA

air convection	forced
chamber capacity [l]	250
working capacity [l]	203
controller	microprocessor PID
display	4,3" full colour touch screen

TEMPERATURE

|	
temperature range [°C]	+3...+40 / +70 (opcja)
temperature resolution every ... [°C]	0,1
temperature fluctiation at 37°C [°C]	0,3
temperature variation at 37°C [°C]	0,5
over temperature protection	class 1.0 to DIN 12880 / class 3.3 (option)

CHAMBER

door type	solid / glass or double (option) /5/
interior	
B Smart	aluminium
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	acid-proof stainless steel to DIN 1.4301
PS Smart	acid-proof stainless steel to DIN 1.4301
housing	
B Smart	powder coated sheet
C Smart	powder coated sheet
CS Smart	stainless steel polished
P Smart	powder coated sheet
PS Smart	stainless steel polished

overall dims [mm] /1/

width A	620
height B	1300
depth C	650
internal dims [mm]	
width D	480
width D'	520
height E	1060
depth F	420
depth F'	480
depth G	320
height H	840
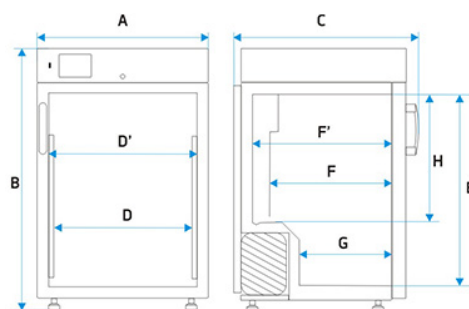
shelves (standard | max)	4 | 6
max shelf workload [kg] /2/	10
max unit workload [kg]	50
weight [kg]	69

ELECTRICAL PARAMETERS

voltage*	230V 50-60Hz
nominal power [W]	250
refrigerant	R1234ze / GWP=1
warranty	24 months
manufacturer	POL-EKO-APARATURA

all the above technical data refer to standard units (without optional accessories)
* - other power supplies on request
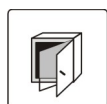1 - depth doesn't include 50 mm of power cable
2 - on uniformly loaded surface
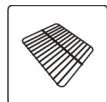3 - reinforced shelf
4 - reinforced version
5 - additional internal glass door

OPTIONS AND ACCESSORIES

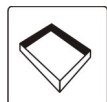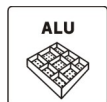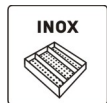|		
	Order number: */C	Internal glass door
	Order number: */A	External glass door
	Order number: */P	Wire shelf
	Order number: */P INOX	Stainless steel wire shelf
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: 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
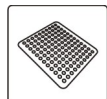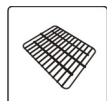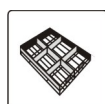
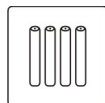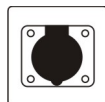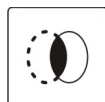|	Order number: ORG-FARM	Pharma organizer
	Order number: QLK*	Wheels
	Order number: *PLUS	Automatic defrosting function
	Order number: ST/70	Extended temperature range to 70°C
	Order number: */FOT	Photoperiodic system
	Order number: GNZ	Internal socket
	Order number: OCZ/N	Non-standard access port for external sensor
	Order numberLabDesk	LabDesk - software
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: */3.3	Over temperature protection 3.3 class according to DIN 12880
	Order number: BPP 12	Battery backup for display
	Order number: PORT ALARM	Dry alarm contact