Data sheet

Cooled Incubator (ST)
ST 1450 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

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1	97
type	ST 1450 Smart

TECHNICAL DATA

air convection	forced
chamber capacity [l]	1540
working capacity [l]	1525
controller	microprocessor PID
display	4,3" full colour touch screen

TEMPERATURE

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

CHAMBER

door type	solid / glass or double (option) /4/
interior	
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	
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	1440
height B	1940
depth C	1060
internal dims [mm]	
width D	1270
width D'	1340
height E	1460
depth F	780
height I	1380
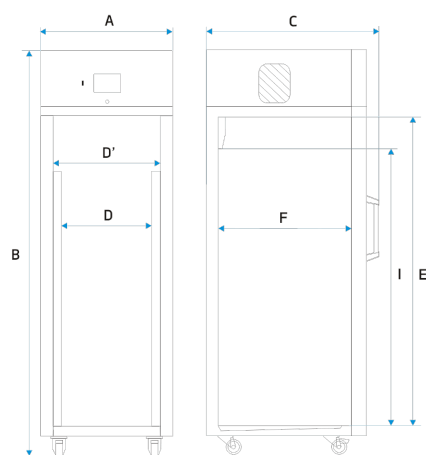
shelves (standard | max)	2 x 3 | 11
max shelf workload [kg] /2/	30
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	300
weight [kg]	200

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ELECTRICAL PARAMETERS

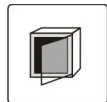|	
voltage**	230V 50-60Hz
nominal power [W]	950
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO
txt_opis_pt	all the above technical data refer to standard units (without optional accessories) * - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber 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
PL typ urządzenia	Cooled Incubator (ST)
img_photo	ST-1450-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.	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.
nazwa www pl	Szafa Termostatyczna ST 1450 Smart
nazwa www EN	Cooled Incubator ST 1450 Smart
nazwa www ES	Incubadora de Refrigeración ST 1450 Smart
ekran_grafika	st_il_smart
	Szafy Termostatyczne
0	1

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
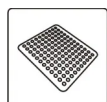4 - additional internal glass door

OPTIONS AND ACCESSORIES
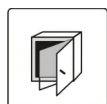
	Order number: */C	Internal glass door
	Order number: */A	External glass door
INOX	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf

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NIP: 647-216-26-87 | **REGON:** 276111984 | Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy | **KRS** 0001009595

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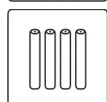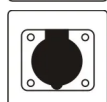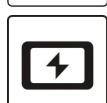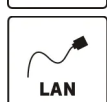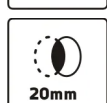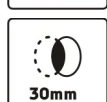|	Order number	Description
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
ALU	Order number: ST/CHL/SWP ALU	Aluminum drawer with powder coated slides
INOX	Order number: ST/CHL/SWP INOX	Stainless steel drawer with powder coated slides
INOX/INOX	Order number: ST/CHL/SWPN INOX	Stainless steel drawer with stainless steel slides
+70°C	Order number: ST/70	Extended temperature range to 70°C
	Order number: */FOT	Photoperiodic system
	Order number: GNZ	Internal socket
LAB DESK	Order numberLabDesk	LabDesk software
>O<	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
DIN 3.3	Order number: */3.3	Over temperature protection 3.3 class according to DIN 12880
	Order number: BPP 12	Battery backup for display
ALARM	Order number: PORT ALARM	Dry alarm contact
LAN	Order number: LANK	LAN cable
20mm	Order number: OCZ/20	Non-standard access port 20 mm
30mm	Order number: OCZ/30	Additional access port 30 mm
60mm	Order number: OCZ/60	Non-standard access port 60 mm
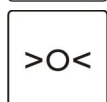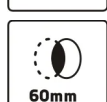
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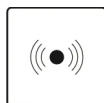POL-EKO A.Polok-Kowalska sp.k.
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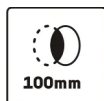
100mm	Order number: OCZ/100	Non-standard access port 100 mm
((●))	Order number: KD	Access control

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