tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

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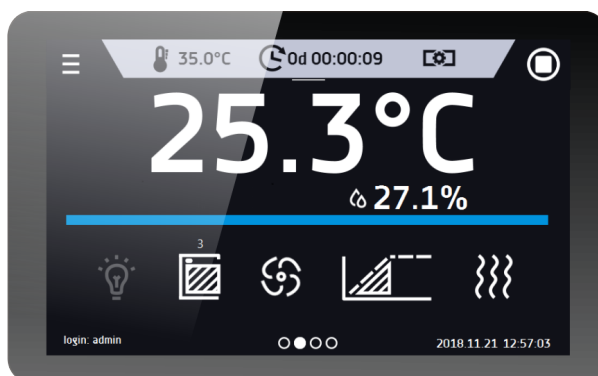
Data sheet

Cooled Incubator (ST)
ST 3 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

Bank: ING BŚ o/Wodzisław Śl.
Nr rachunku: 90 1050 1403 1000 0022 0879 5498
Nr rej. W BDO 000005609

NIP: 647-216-26-87 REGON: 276111984
Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy
KRS 0000083696

PN-EN ISO 9001
ISOCERT CERTIFICATE

1/4

tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

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]	200
working capacity [l]	163
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE

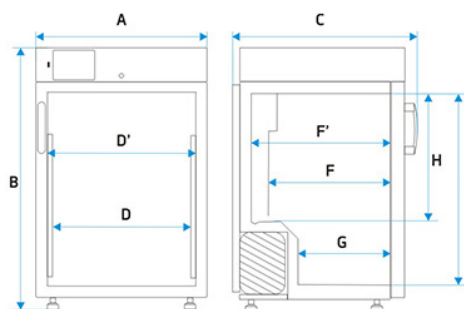|	
temperature range [°C]	+3...+70
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,3
temperature variation at 37°C [+/-°C]*	0,5
over temperature protection	class 3.3 to DIN 12880

CHAMBER

door type	solid / glass or double (option) /5/
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	620
height B	1100
depth C	650
internal dims [mm]	
width D	480
width D'	520
height E	860
depth F	420
depth F'	480
depth G	320
height H	640

shelves (standard | max)	3 | 4
max shelf workload [kg] /2/	10
max unit workload [kg]	40
weight [kg]	59

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

tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

ELECTRICAL PARAMETERS

voltage**	230V 50Hz
nominal power [W]	250
refrigerant	R1234ze / GWP=1
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	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 2 - on uniformly loaded surface 3 - reinforced shelf 4 - reinforced version 5 - additional internal glass door
PL typ urządzenia	Cooled Incubator (ST)

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

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

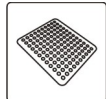5 - additional internal glass door

OPTIONS AND ACCESSORIES

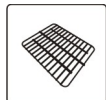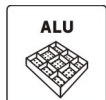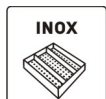|		
	Order number: */C	Internal glass door
	Order number: */A	External glass door
INOX	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
ALU	Order number: ST/CHL/SWP ALU	Aluminum drawer with powder coated slides
INOX	Order number: ST/CHL/SWP INOX	Stainless steel drawer with powder coated slides

Bank: ING BŚ o/Wodzisław Śl.
Nr rachunku: 90 1050 1403 1000 0022 0879 5498
Nr rej. W BDO 000005609

NIP: 647-216-26-87 REGON: 276111984
Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy
KRS 0000083696

3/4

POL-EKO-APARATURA SP. J.

tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C
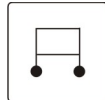
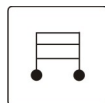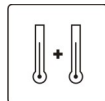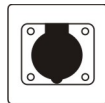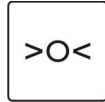|	Order number	Description
INOX/INOX	Order number: ST/CHL/SWPN INOX	Stainless steel drawer with stainless steel slides
	Order number: ORG-FARM	Pharma organizer
	Order number: QLK*	Wheels
	Order number: */S or */S INOX	Table with wheels
	Order number: */ST or */S INOX	Base on castors
	Order number: *PLUS	Automatic defrosting function
	Order number: PT 100	Additional temperature sensor
	Order number: GNZ	Internal socket
	Order number: OCZ/N	Non-standard access port for external sensor
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: BPP 12	Battery backup for display
ALARM	Order number: PORT ALARM	Dry alarm contact