

## Data sheet

## Cooled Incubator (ST) ST 1 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

## TECHNICAL DATA

air convection	forced
chamber capacity [l]	70
working capacity [l]	55
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 fluctuation 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

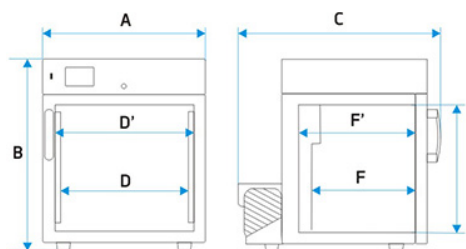
door	solid / glass or double (option) /5/
<b>interior</b>	
B Smart	aluminium
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	acid-proof stainless steel to DIN 1.4301
PS Smart	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
B Smart	powder coated sheet
C Smart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

## overall dims [mm] /1/

A width	570
B height	660
depth C	680

## internal dims [mm]

width D	430
width D'	470
height E	430
depth F	300
depth F'	360



shelves (standard   max)	2   2
max shelf workload [kg] /2/	10
max unit workload [kg]	20
weight [kg]	37

## ELECTRICAL PARAMETERS

power supply	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)

\* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

$K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$

\*\* - other power supplies on request

1 - depth doesn't include 50 mm of power cable

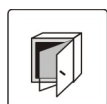
2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

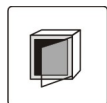
5 - additional internal glass door

## OPTIONS AND ACCESSORIES



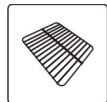
Order number: \*/C

Internal glass door



Order number: \*/A

External glass door



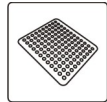
Order number: \*/P

Wire shelf



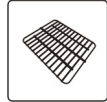
Order number: \*/P INOX

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



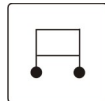
Order number: ST/CHL/SWPN INOX

Stainless steel drawer with stainless steel slides



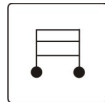
Order number: QLK\*

Wheels



Order number: \*/S or \*/S INOX

Table with wheels



Order number: \*/ST or \*/S INOX

Base on castors



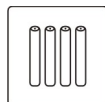
Order number: \*PLUS

Automatic defrosting function



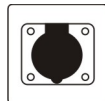
Order number: ST/70

Extended temperature range to 70°C



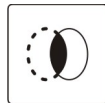
Order number: \*/FOT

Photoperiodic system



Order number: GNZ

Internal socket



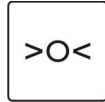
Order number: OCZ/N

Non-standard access port for external sensor



Order number: LabDesk

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