



## Data sheet

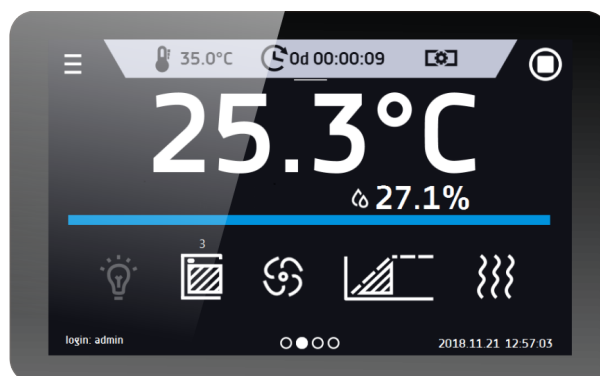
## Cooled Incubator (ST) with freezer ST 3 / ZLN 85 Smart PRO



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



## TECHNICAL DATA

air convection	forced / natural
chamber capacity [l]	200 / 85
working capacity [l]	163 / 73
controller	microprocessor PID
display	7" full colour touch screen

## TEMPERATURE

temperature range [°C]	+3...+70 / 0...+15
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [±/°C]*	0,3
temperature fluctuation at -20°C [±/°C]*	0,5
temperature variation at 37°C [±/°C]*	0,6
temperature variation at -20°C [±/°C]*	2
temperature protection	class 3.2 to DIN 12880

## CHAMBER

door type	solid / glass or double (option) /4/
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### interior

P Smart PRO	DIN 1.4301
PS Smart PRO	DIN 1.4301

### housing

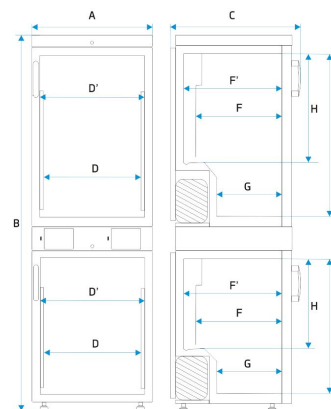
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

### overall dims [mm] /1/

width A	600
height B	1910
depth C	650

### internal dims [mm]

width D	480 / 380
width D'	520 / 420
height E	860 / 590
depth F	420 / 400
depth F'	480 / 440
depth G	320 / 230
height H	640 / 380



shelves (standard   max)	3   4 / 2   4
max shelf workload [kg] /2/	10
max unit workload [kg]	30 / 30
weight [kg]	121



## ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	500
refrigerant	R1234ze / GWP=1   R290 / GWP=36
warranty	24 months

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:  $K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$ ; parameters given for the chamber above the bottom step

\*\* - other power supplies on request

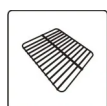
1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug

2 - on uniformly loaded surface

3 - reinforced shelf

4 - additional internal glass door

## OPTIONS AND ACCESSORIES



Order number: \*/P

Wire shelf



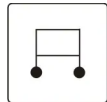
Order number: ORG-FARM

Pharma organizer



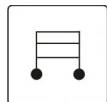
Order number: QLK\*

Castors



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

Table with castors



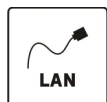
Order number: \*/ST or \*/S INOX

Base on castors



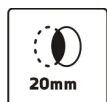
Order number: BRT/\*/L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



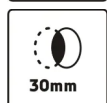
Order number: LANK

LAN cable



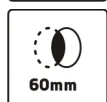
Order number: OCZ/20

Non-standard access port 20 mm



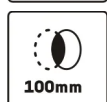
Order number: OCZ/30

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



**POL-EKO**  
Perfect Environment

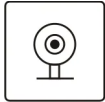
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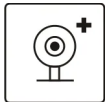
Order number: KD

Access control



Order number: CCTV

Camera inside the chamber



Order number: CCTV CAM

Additional camera