

Data sheet

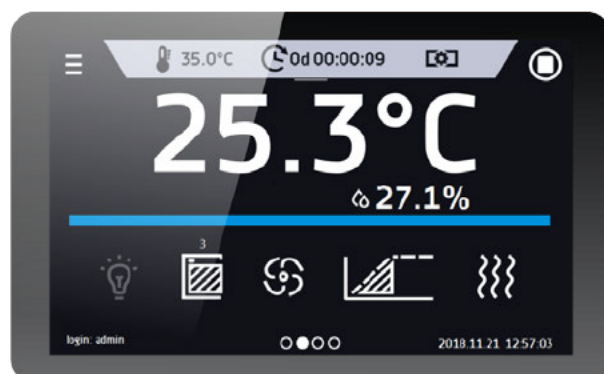
Laboratory Freezer ZLW-T 200 Smart PRO



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
chamber capacity [l]	210
working capacity [l]	140
controller	microprocessor PID
display	7 full colour touch screen

TEMPERATURE

temperature range [°C]	-40...0
temperature resolution every ... [°C]	0,1
temperature fluctuation at -20°C [±°C]*	1,5
temperature variation at -20°C [±°C]*	1,8
over temperature protection	class 3.2 to DIN 12880 (option)

CHAMBER

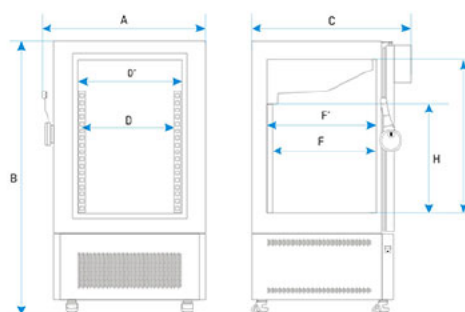
door type	solid
interior	
P Smart PRO	DIN 1.4301
PS Smart PRO	DIN 1.4301
housing	
P Smart PRO	powder coated sheet
PS Smart PRO	stainless steel polished

overall dims [mm] /1/

width A	820
height B	1380
depth C	810

internal dims [mm]

width D	450
width D'	520
height E	770
depth F	520
depth F'	530
height H	550



shelves (standard max)	2 4
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	65
- reinforced unit version (W) [kg] /4/	160
weight [kg]	120

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	450
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	<p>all the above technical data refer to standard units (without optional accessories)</p> <p>* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as: $K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$</p> <p>** - other power supplies on request</p> <p>1 - depth doesn't include 50 mm of power cable 2 - on uniformly loaded surface 3 - reinforced shelf 4 - reinforced version</p>

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1 - depth doesn't include 50 mm of power cable
 2 - on uniformly loaded surface
 3 - reinforced shelf
 4 - reinforced version

OPTIONS AND ACCESSORIES



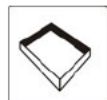
Order number: */PP

Perforated shelf



Order number: */PW

Reinforced shelf



Order number: KUW GN*/*

Stainless steel cuvettes



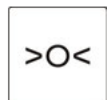
Order number: */W

Reinforced version



Order number: OWW/OWW LED

Interior lighting



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

Calibration and IQ, OQ, PQ qualification



Order number: */3.2

Over temperature protection 3.2 class according to DIN 12880



Order number: BPP 12

Battery backup for display



Order number: PORT ALARM

Dry alarm contact

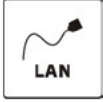
ALEPH

Part Science · Part Art



Order number: USBK

USB cable



Order number: LANK

LAN cable



Order number: KD

Access control