

Data sheet

Ultra-Low Freezer ZLN-UT 300 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	natural
chamber capacity [l]	326
number of boxes 133x133x50mm [pcs]	192
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE

temperature range [°C]	-86...-50
temperature resolution every ... [°C]	0,1
cooling time from +20°C to -80°C [min]	180
heating time in case of power failure -80°C to -60°C [min]	90
temperature fluctuation at -80°C [±/°C]*	1,4
temperature variation at -80°C [±/°C]*	3

CHAMBER

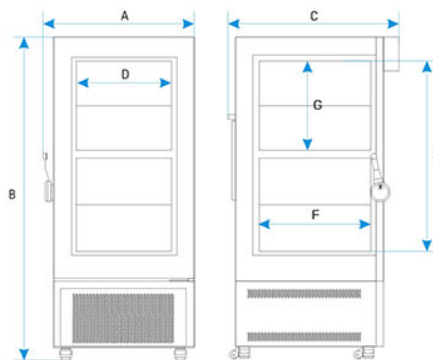
door	solid
interior	
P Smart PRO	acid-proof stainless steel to DIN 1.4301
PS Smart PRO	acid-proof stainless steel to DIN 1.4301
housing	
P Smart PRO	powder coated sheet

overall dims [mm] /1/

A width	880
B height	1930
depth C	950

internal dims [mm]

width D	520
height E	1120
depth F	560
height I	240



max shelf workload [kg] /2/	10
number of internal chambers	4
max unit workload [kg]	80
weight [kg]	200

ELECTRICAL PARAMETERS

power supply	230V 50-60Hz
nominal power [W]	2100
refrigerant	R290 / GWP=3 R170 / GWP=6
warranty	24 months
manufacturer	POL-EKO-APARATURA

all the above technical data refer to standard units (without optional accessories)

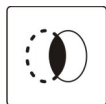
* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

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

** - other power supplies on request

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

OPTIONS AND ACCESSORIES



Order number: OCZ/N

Non-standard access port for external sensor