

## Data sheet

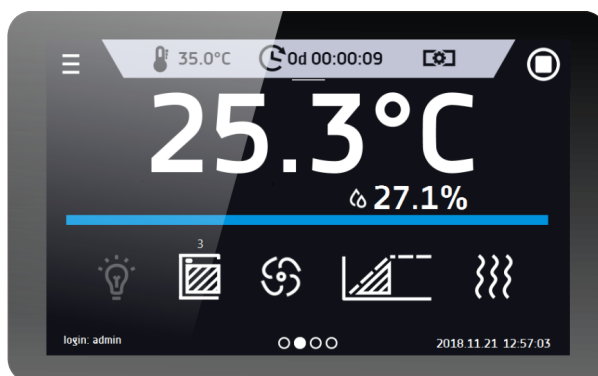
## Ultra-Low Freezer ZLN-UT 300 Smart PRO



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 [h]	3,5
heating time in case of power failure -80°C to -60°C [h]	1,5
temperature fluctuation at -80°C [±/°C]*	1,4
temperature variation at -80°C [±/°C]*	3

**CHAMBER**

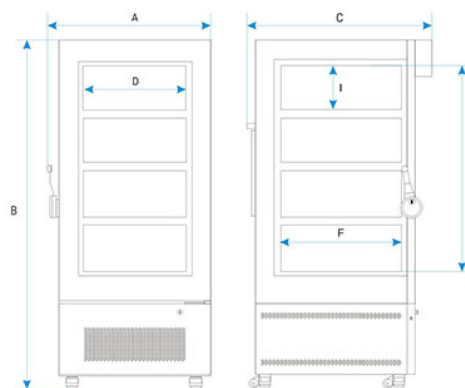
door type	solid
<b>interior</b>	
P Smart PRO	acid-proof stainless steel to DIN 1.4301
PS Smart PRO	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
P Smart PRO	powder coated sheet

**overall dims [mm] /1/**

width A	880
height B	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

voltage**	230V 50Hz
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)

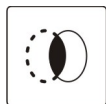
\* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

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

\*\* - 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