

## Data sheet

## Ultra-Low Freezer ZLN-UT 500 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	natural
chamber capacity [l]	483
number of boxes 133x133x50mm [pcs]	352
controller	microprocessor PID
display	4,3" full colour touch screen

**TEMPERATURE**

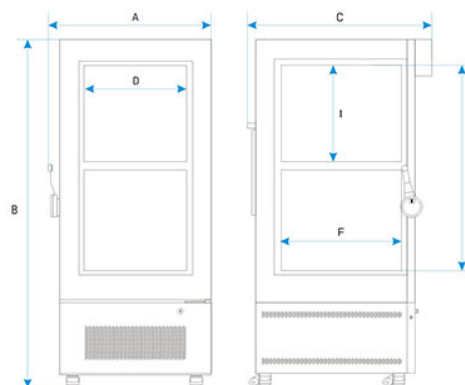
temperature range [°C]	-86...-50
temperature resolution every ... [°C]	0,1
cooling time from +20°C to -80°C [h]	3,5
heating time in case of power failure -80°C to -60°C [h]	1,5
temperature fluctuation at -80°C [±°C]*	1,4
temperature variation at -80°C [±°C]*	3

**CHAMBER**

door type	solid
<b>interior</b>	
C Smart	stainless steel to DIN 1.4016
P Smart	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
C Smart	powder coated sheet
P Smart	powder coated sheet

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

width A	850
height B	2010
depth C	950
<b>internal dims [mm]</b>	
width D	620
height E	1380
depth F	570
height I	670



shelves (standard   max)	4   4
max shelf workload [kg] /2/	10
number of internal chambers	2
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)

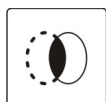
\* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as:

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

\*\* - 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



Order number LabDesk

LabDesk software