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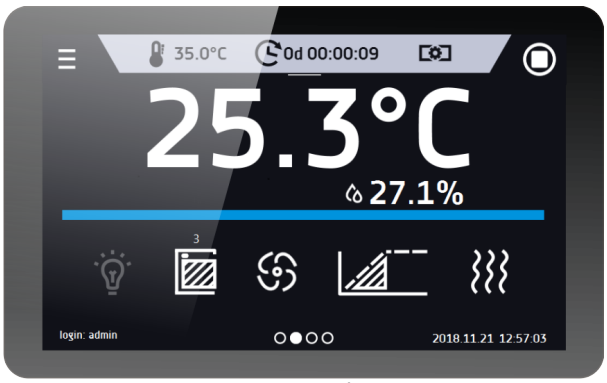
POL-EKO-APARATURA SP. J.
A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

Data sheet

Ultra-Low Freezer
ZLN-UT 500 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.

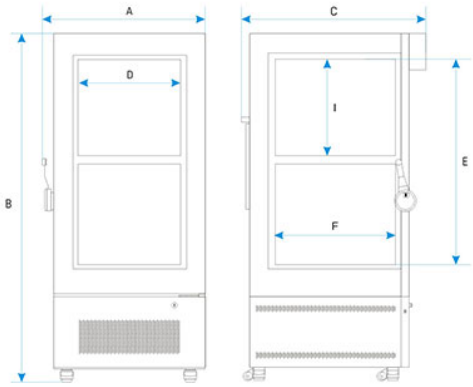
Advantages of the SMART PRO controller:
- large (7”), clear, full colour touch screen
- LAN, USB ports and WiFi for communication and data transfer
- multi-segment time and temperature programs
- overview of data in tabular and graphic form
- visual and sound alarm
- Admin function for management
- password 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]	483
number of boxes 133x133x50mm [pcs]	352
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
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/	
width A	850
height B	2010
depth C	950
internal dims [mm]	
width D	620
height E	1380
depth F	570
height I	670

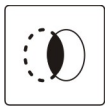


shelves (standard | max)	4 | 4
max shelf workload [kg] /2/	10
number of internal chambers	2
max unit workload [kg]	80
weight [kg]	200

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= +/- (T average max. - T 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