POL-EKO
Perfect Environment

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📍 **POL-EKO A.Polok-Kowalska sp.k.**
44-300 Wodzisław Śląski
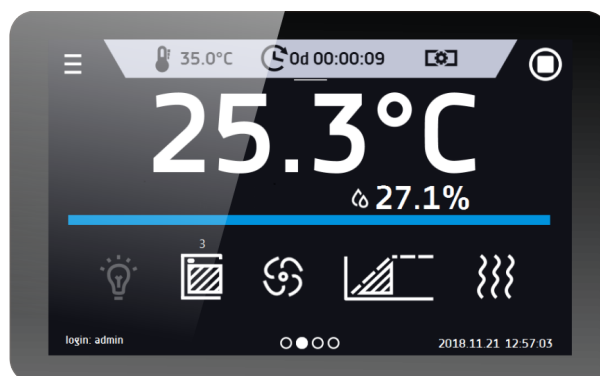ul. Kokoszycka 172 C

Data sheet

Ultra-Low Freezer
ZLN-UT 300 VIP 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

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TECHNICAL DATA

air convection	natural
chamber capacity [l]	345
number of boxes 133x133x50mm (option) [pcs]	256
controller	microprocessor PID
display	7" full colour touch screen
insulation type	vacuum - VIP panels

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]*	3,0

CHAMBER

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

overall dims [mm] /1/

width A	880
height B	1620
depth C	960
internal dims [mm]	
width D	620
height E	1000
depth F	580
height G	480
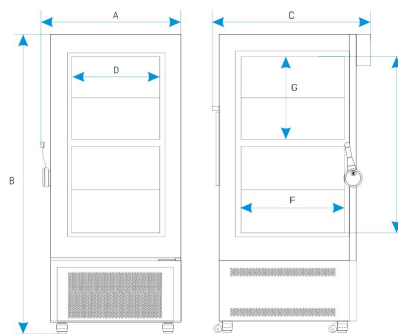
shelves (standard | max)	2/2
max shelf workload [kg] /2/	10
number of internal chambers	2
max unit workload [kg]	65
weight [kg]	220

Bank: ING BŚ o/Wodzisław Śląski **|** **Nr rachunku:** 90 1050 1403 1000 0022 0879 5498 **|** **Nr rej. w BDO** 000005609
NIP: 647-216-26-87 **|** **REGON:** 276111984 **|** Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy **|** **KRS** 0001009595

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ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	2100
refrigerant	R290 / GWP=3 | R170 / GWP=6
warranty	24 months

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
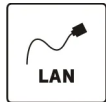
** - other power supplies on request

1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug
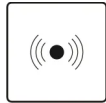
OPTIONS AND ACCESSORIES

ALARM	Order number: PORT ALARM	Dry alarm contact
LAN	Order number: LANK	LAN cable
	Order number: KD	Access control
CO2 BACKUP	Order number: ZLN-UT/CO2	CO_2 back up system
	Order number: ZLN-UT/STP12 / 16	Boxes for samples
	Order number: ZLN-UT/ST12 / 16	Rack with drawers
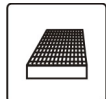
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