



POL-EKO
Perfect Environment

(+48) 32 453 91 70
info@pol-eko.com.pl
www.pol-eko.com.pl

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

Data sheet

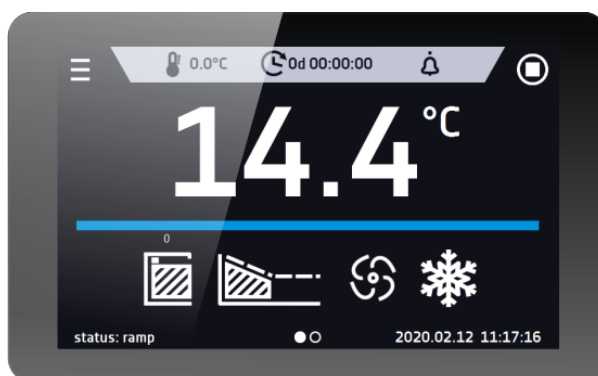
Ultra-Low Freezer ZLN-UT 130 VIP Smart



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



1	226
type	ZLN-UT 130 VIP Smart

TECHNICAL DATA

air convection	natural
chamber capacity [l]	130
number of boxes 133x133x50mm (option) [pcs]	96
controller	microprocessor PID
display	4,3" full colour touch screen
insulation type	vacuum - VIP panels

TEMPERATURE

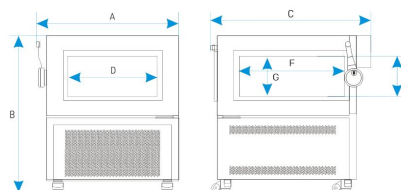
temperature range [°C]	-86...-50
temperature resolution every ... [°C]	0,1
cooling time from +20°C to -80°C [min]	120
heating time in case of power failure -80°C to -60°C [min]	40
temperature fluctuation at -80°C [±/°C]*	1,6
temperature variation at -80°C [±/°C]*	1,6

CHAMBER

door type	solid
interior	
C Smart	stainless steel to DIN 1.4016
P Smart	DIN 1.4301
housing	
C Smart	powder coated sheet
P Smart	powder coated sheet

overall dims [mm] /1/

width A	880
height B	940
depth C	960
internal dims [mm]	
width D	620
height E	360
depth F	580



shelves (standard max)	1/1
max shelf workload [kg] /2/	10
number of internal chambers	1
max unit workload [kg]	45
weight [kg]	147



ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	2100
refrigerant	R290 / GWP=3 R170 / GWP=6
warranty	24 months
manufacturer	POL-EKO
txt_opis_pt	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
PL typ urządzenia	Ultra-Low Freezer
img_photo	ZLN-UT-130-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.	
nazwa www pl	Zamrażarka Niskotemperaturowa ZLN-UT 130 VIP Smart
nazwa www EN	Ultra-Low Freezer ZLN-UT 130 VIP Smart
nazwa www ES	Congelador de Ultra-Baja Temperatura ZLN-UT 130 VIP Smart
	Zamrażarki niskotemperaturowe
0	0

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



Order numberLabDesk

LabDesk software



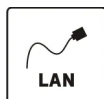
Order number: PORT ALARM

Dry alarm contact



Order number: USBK

USB cable



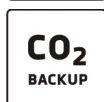
Order number: LANK

LAN cable



Order number: KD

Access control



Order number: ZLN-UT/CO2

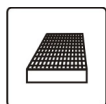
CO₂ back up system



POL-EKO
Perfect Environment

(+48) 32 453 91 70
info@pol-eko.com.pl
www.pol-eko.com.pl

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



Order number: ZLN-UT/STP12 / 16

Boxes for samples



Order number: ZLN-UT/ST12 / 16

Rack with drawers