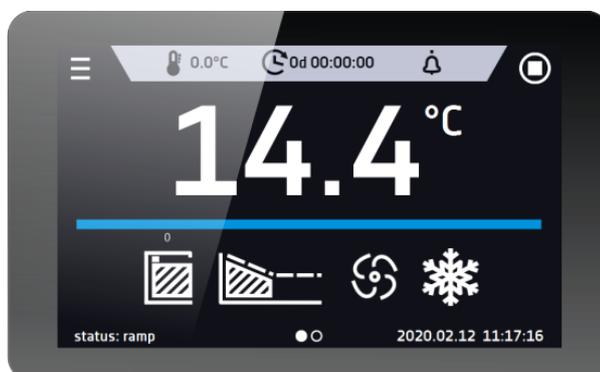# Data sheet

Laboratory Freezer
ZLN-T 300 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

(+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

TECHNICAL DATA

air convection	natural
chamber capacity [l]	310
working capacity [l]	262
controller	microprocessor PID
display	4,3" full colour touch screen
insulation type	polyurethane foam

TEMPERATURE

|	
temperature range [°C]	-40…0
temperature resolution every … [°C]	0,1
temperature fluctuation at -20°C [+/-°C]*	0,5
temperature variation at -20°C [+/-°C]*	2,5
over temperature protection	class 3.2 to DIN 12880 (option)

CHAMBER

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

overall dims [mm] /1/

width A	820
height B	1730
depth C	810
internal dims [mm]	
width D	450
width D'	520
height E	1120
depth F	520
depth F'	530
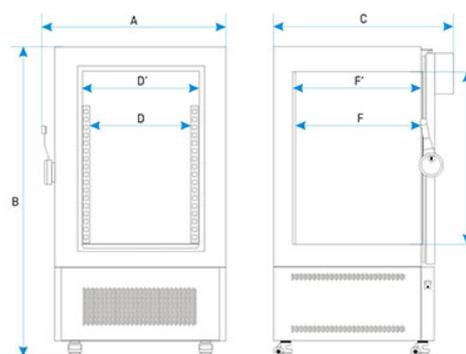
shelves (standard | max)	3 | 6
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	80
- reinforced unit version (W) [kg] /4/	160
weight [kg]	185

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Perfect Environment

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ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	450
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO

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

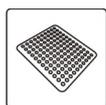** - other power supplies on request

1 - depth doesn't include 50 mm of power cable
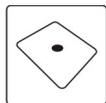
2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version
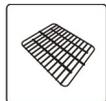
OPTIONS AND ACCESSORIES

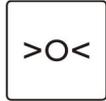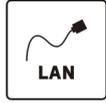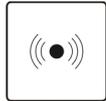|	Order number	Description
	Order number: */PP	Perforated shelf
	Order number: */PO	Full shelf with hole
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: */W	Reinforced version
	Order number: OWW/OWW LED	Interior lighting
	Order numberLabDesk	LabDesk software
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: */3.2	Over temperature protection 3.2 class according to DIN 12880
	Order number: BPP 12	Battery backup for display

3/4

	Order number: PORT ALARM	Dry alarm contact
	Order number: USBK	USB cable
	Order number: LANK	LAN cable
	Order number: KD	Access control

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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