



## Data sheet

## Laboratory Freezer ZLW-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



## TECHNICAL DATA

air convection	forced
chamber capacity [l]	310
working capacity [l]	213
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]*	1,5
temperature variation at -20°C [±/°C]*	1,8
over temperature protection	class 3.2 to DIN 12880 (option)

## CHAMBER

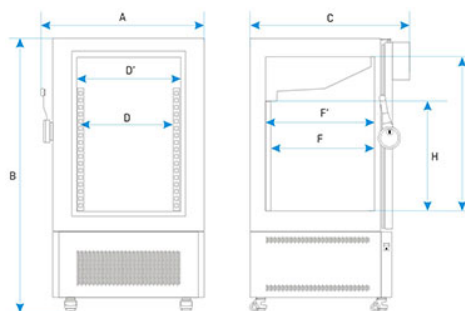
door type	solid
<b>interior</b>	
C Smart	stainless steel to DIN 1.4016
CS Smart	stainless steel to DIN 1.4016
P Smart	DIN 1.4301
PS Smart	DIN 1.4301
<b>housing</b>	
C Smart	powder coated sheet
CS Smart	stainless steel polished
P Smart	powder coated sheet
PS Smart	stainless steel polished

### 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
height H	900



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



## 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:

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

\*\* - other power supplies on request

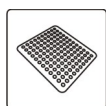
1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

3 - reinforced shelf

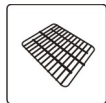
4 - reinforced version

## OPTIONS AND ACCESSORIES



Order number: \*/PP

Perforated shelf



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 number LabDesk

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



Order number: PORT ALARM

Dry alarm contact



Order number: USBK

USB cable



Order number: LANK

LAN cable



Order number: KD

Access control