



**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





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type

## TECHNICAL DATA

air convection

chamber capacity [l]

working capacity [l]

number of boxes 133x133x50mm (option) [pcs]

controller

display

insulation type

## TEMPERATURE

### TEMPERATURE AND HUMIDITY

temperature range [°C]

Working temperature range without humidity [°C]

Temperature variation (spatial) at 40°C [±°C]

Temperature fluctuation (time) at 40°C [±°C]

Working temperature range with humidity [°C]

temperature resolution every ... [°C]

Temperature variation (spatial) at 40°C, 75% RH [°C]

Temperature fluctuation (time) at 40°C, 75% RH [°C]

Temperature variation (spatial) at 25°C, 60% RH [°C]

Temperature fluctuation (time) at 25°C, 60% RH [°C]

cooling time from +20°C to -80°C [min]

heating time in case of power failure -80°C to -60°C [min]

Temperature accuracy at 20°C [±°C]\*

temperature fluctuation at 37°C [±°C]\*

temperature fluctuation at 105°C [±°C]\*

temperature fluctuation at 4°C [±°C]\*

temperature fluctuation at -20°C [±°C]\*

temperature fluctuation at -80°C [±°C]\*

temperature variation at 25°C and 60%RH [±°C]\*

temperature variation at 37°C [±°C]\*

temperature variation at 105°C [±°C]\*

temperature variation at 4°C [±°C]\*

temperature variation at -20°C [±°C]\*

temperature variation at -80°C [±°C]\*

temperature fluctuation at 25°C and 60%RH [±°C]\*

Temperature recovery time after 30 seconds door opening at 37°C [min]

temperature protection

## CO<sub>2</sub>

CO<sub>2</sub> range [%]

CO<sub>2</sub> resolution every ... [%]

CO<sub>2</sub> measurement

CO<sub>2</sub> recovery time after 30 seconds door opening at 5 Vol.-% CO<sub>2</sub> [min]

relative humidity range [%]

humidity resolution every ... [%]



humidity variation at 25°C and 60% rH [%rH]

Stabilność wilgotności w 25°C i 60%rH [%rH]

Humidity variation (spatial) at 40°C, 75% RH [+-%RH]

Humidity fluctuation (time) at 40°C, 75% RH [+-%RH]

Humidity variation (spatial) at 25°C, 60% RH [+-%RH]

Humidity fluctuation (time) at 25°C, 60% RH [+-%RH]

Recovery time to set values after 30 sec door open at 40°C, 75% RH [min]



## CHAMBER

door type

interior

B Smart

C Smart

CS Smart

P Smart

PS Smart

Smart

IG Smart

C Smart PRO

CS Smart PRO

P Smart PRO

PS Smart PRO

Smart PRO

IG Smart PRO

housing

B Smart

C Smart

CS Smart

P Smart

PS Smart

Smart

IG Smart

C Smart PRO

CS Smart PRO

P Smart PRO

PS Smart PRO

Smart PRO

IG Smart PRO



overall dims [mm] /1/

width A

height B

depth C

internal dims [mm]

width D

width D'

height E

depth F

depth F'

depth G

height G

height H

height I



shelves (standard | max)

max shelf workload [kg] /2/

number of internal chambers

number of drawers

max drawer workload [kg]

- reinforced shelf version (PW) [kg] /3/

max unit workload [kg]

- reinforced unit version (W) [kg] /4/

External water tank capacity [l]

weight [kg]

## ELECTRICAL PARAMETERS

Energy consumption at 37°C [Wh/h]

voltage\*\*

Energy consumption at 25°C, 60% RH [Wh/h]

Energy consumption at 40°C, 75% RH [Wh/h]

nominal power [W]

refrigerant

Noise level [db(A)]

warranty

manufacturer

txt\_opis\_pt

PL typ urządzenia

img\_photo

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

nazwa www EN

nazwa www ES

ekran\_grafika

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## OPTIONS AND ACCESSORIES



Order number: LabDesk

LabDesk software



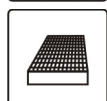
Order number: KD

Access control



Order number: ZLN-UT/CO2

CO<sub>2</sub> back up system



Order number: ZLN-UT/STP12 / 16

Boxes for samples



Order number: ZLN-UT/ST12 / 16

Rack with drawers