POL-EKO
Perfect Environment

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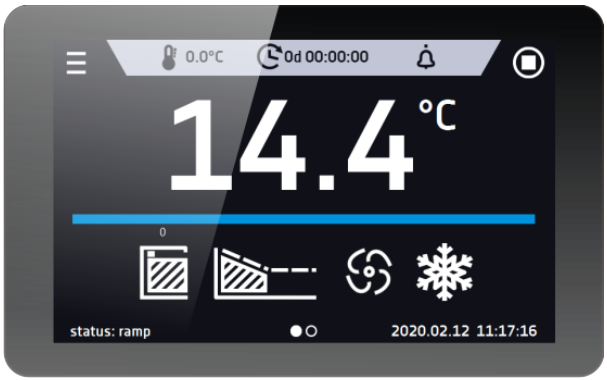
Data sheet

Peltier-Cooled Incubator
ILP 53 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

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TECHNICAL DATA

air convection	forced
chamber capacity [l]	56
working capacity [l]	56
controller	microprocessor PID
display	4,3" full colour touch screen

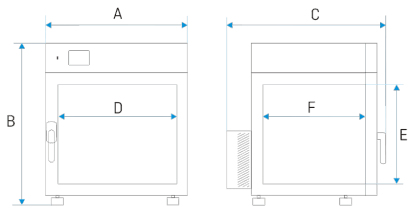
TEMPERATURE

temperature range [°C]	0...+70 (max 20°C below ambient temperature)
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,1
temperature variation at 37°C [+/-°C]*	0,2
temperature protection	class 2.0 to DIN 12880 / class 3.3 (option)

CHAMBER

door type	double(5) / door with viewing window (option)
interior	
Smart	acid-proof stainless steel to DIN 1.4301
IG Smart	acid-proof stainless steel to DIN 1.4301
housing	
Smart	powder coated sheet
IG Smart	stainless steel linen finish

overall dims [mm] /1/	
width A	590
height B	710
depth C	690
internal dims [mm]	
width D	400
height E	390
depth F	360



shelves (standard | max)	2 | 5
max shelf workload [kg] /2/	25
max unit workload [kg]	50
weight [kg]	69

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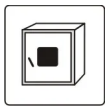
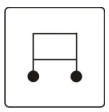
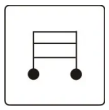
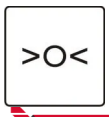
ELECTRICAL PARAMETERS	
voltage**	230V 50-60Hz
nominal power [W]	500
warranty	24 months
manufacturer	POL-EKO

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, the width does not include the 20 mm of rubber plug
2 - on uniformly loaded surface
3 - reinforced shelf
4 - additional internal glass door

OPTIONS AND ACCESSORIES

	Order number: */A	door with viewing window
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: QLK*	Castors
	Order number: */S or */S INOX	Table with castors
	Order number: */ST or */S INOX	Base on castors
	Order number: */W	Reinforced version
	Order numberLabDesk	LabDesk software
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification

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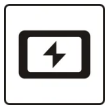
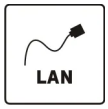
	Order number: */3.3	Over temperature protection 3.3 class according to DIN 12880
	Order number: BPP 12	Battery backup for display
	Order number: PORT ALARM	Dry alarm contact
	Order number: LANK	LAN cable
	Order number: OCZ/20	Non-standard access port 20 mm
	Order number: OCZ/30	Additional access port 30 mm
	Order number: OCZ/60	Non-standard access port 60 mm
	Order number: OCZ/100	Non-standard access port 100 mm
	Order number: KD	Access control