Data sheet

print date: 2026-11-06

Cooled Incubator (IL)

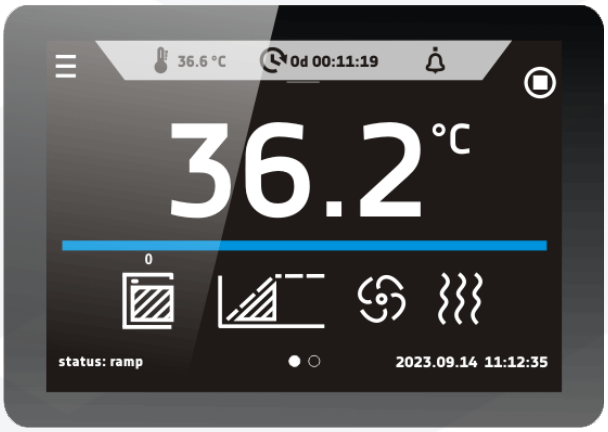
ILW 400 Smart





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]	526
working capacity [l]	416
controller	microprocessor PID
display	4,3" full colour touch screen

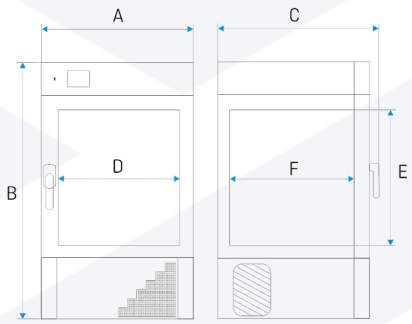
TEMPERATURE

temperature range [°C]	0...+70 / -10...+70 (option)
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,2
temperature variation at 37°C [+/-°C]*	0,3
temperature protection	class 2.0 to DIN 12880 / class 3.3 (option)

CHAMBER

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

overall dims [mm] /1/	
width A	1020
height B	1720
depth C	790
internal dims [mm]	
width D	800
height E	1040
depth F	500

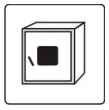
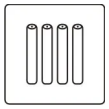


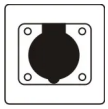
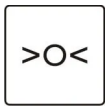
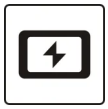
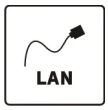
shelves (standard | max)	3 | 14
max shelf workload [kg] /2/	25
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	120
- reinforced unit version (W) [kg] /4/	300
weight [kg]	185

ELECTRICAL PARAMETERS	
voltage	230V 50/60Hz
nominal power [W]	1300
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, 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: *PLUS	Automatic defrosting function
	Order number: */T	Low temperature version
	Order number: */W	Reinforced version
	Order number: OWW/OWW LED	Interior lighting
	Order number: */FOT	Photoperiodic system

	Order number: GNZ	Internal socket
	Order number: LabDesk	LabDesk software
	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: */3.3	Over temperature protection 3.3 class according to DIN 12880
	Order number: RFID LOCK (SMART)	RFID LOCK (SMART)
	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