

# PELTIER COOLED INCUBATORS

ecological incubators ILP  
with cooling system based on  
the Peltier cell technology



SMART/SMART PRO  
controller  
with USB port

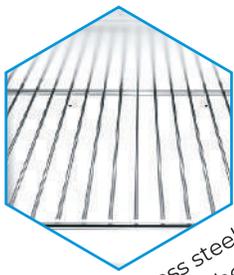


access port  
(Ø30 mm)

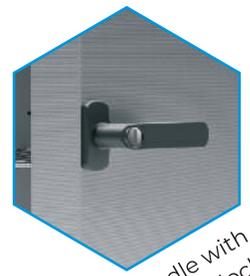


Peltier element  
at the back

Peltier cooled incubator ILP 240 IG SMART



stainless steel  
wire shelf



handle with  
door lock



internal  
glass door



All thermostatic equipment manufactured by POL-EKO® can be provided with Calibration Certificate issued by accredited Measurement Laboratory. Detailed information on accreditation is available on website: [www.polekolab.pl](http://www.polekolab.pl) and on page 161.



**MAIN STANDARD BENEFITS**

- temperature range: 0...+70°C (max 20°C below ambient temperature)
- English instruction manual
- Peltier elements cooling system (see page 23)
- temperature protection class 2.0 to DIN 12880
- open door alarm
- castors for ILP 750
- LAN and USB ports
- height adjustable feet
- internal LED light
- access port (Ø30 mm) with silicone plug on the left wall
- door lock
- stainless steel wire shelves (INOX)
- double door (external solid, internal glass)
- main power switch flush with housing prevents unintentional switch off

**AVAILABLE VERSIONS**

- SMART
- SMART PRO

**SOFTWARE**

- LabDesk for data download to a PC via LAN or Wi-Fi (optional for SMART version)
- LabDesk Cloud platform for remote data monitoring

**EXTRA FOR SMART PRO**

- Wi-Fi
- LAN cable
- LabDesk
- temperature protection class 3.3 to DIN 12880



**TECHNICAL DATA**

parameters	 <b>ILP 53</b>	 <b>ILP 115</b>	 <b>ILP 240</b>	 <b>ILP 750</b>
air convection	forced			
chamber capacity [l]	56	112	245	749
door type	double <sup>1</sup> / door with viewing window (option)			
temperature range [°C]	0...+70 (max 20°C below ambient temperature)			
temperature resolution [°C]	every 0,1			
controller	microprocessor PID, 4,3" (SMART) / 7" (SMART PRO) full-colour touch screen			
interior	acid-proof stainless steel to DIN 1.4301			
housing	-	powder coated sheet		
	IG	stainless steel linen finish		
max shelf workload <sup>2</sup> [kg]	25	25	25	-
max reinforced shelf workload (PW) <sup>2</sup> [kg]	-	-	-	100
max unit workload [kg]	50	50	90	140
nominal power [W]	500	650	800	1400
weight [kg]	69	90	140	240
castors	option			yes
temperature fluctuation <sup>3</sup> at +37°C [±/°C]	0,1	0,1	0,1	0,1
temperature variation <sup>3</sup> at +37°C [±/°C]	0,2	0,2	0,3	0,3
temperature protection	class 2.0 to DIN 12880 / class 3.3 (option) / 3.3 in SMART PRO			
power supply	230V 50-60Hz / 115V 50-60Hz			230V 50-60Hz/ 3P + PE 230V 50-60Hz
shelves fitted/max	2/5	2/7	3/10	5/16
warranty	24 months			
manufacturer	POL-EKO®			

all the above technical data refer to standard units (without optional accessories)

1 - internal glass door, external solid

2 - on uniformly loaded surface

3 - fluctuation measured in centre of chamber; in space, variation (K) calculated for chamber as:  $K = \pm (T_{avg\ max} - T_{avg\ min}) / 2$

**OPTIONS & ACCESSORIES** (icon description see pages 117-124)

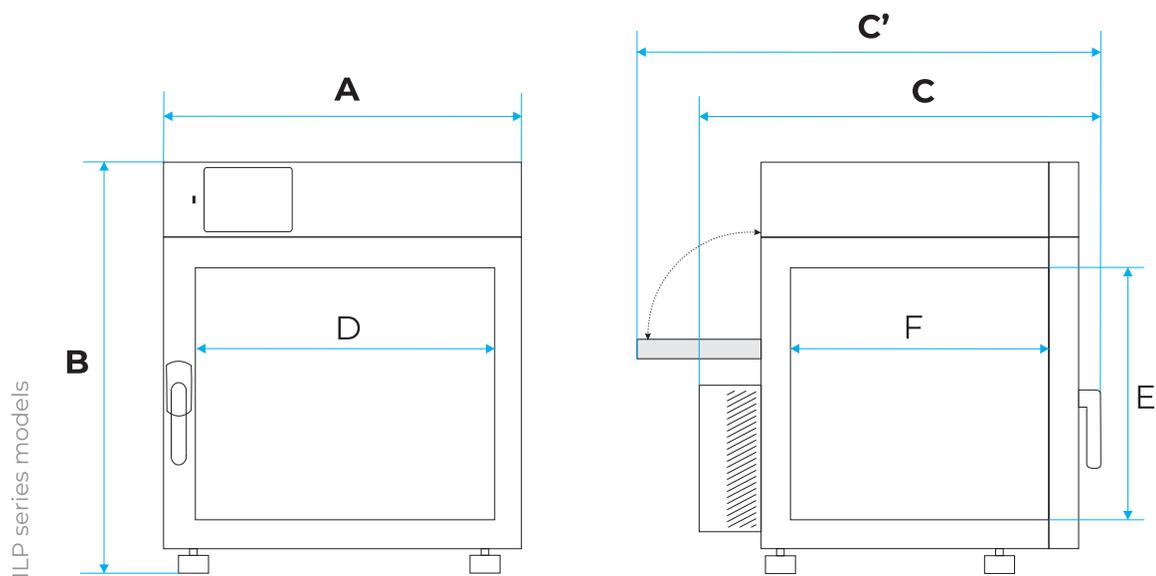
														
														

**DIMENSIONS & DATA**

All dimensions refer to standard units (without optional accessories).

Overall depth doesn't include 50 mm of power cable, the width does not include the 20 mm of access port's silicone plug.

Possibility of changing the shelf position  
ILP 53/115/240/750 - every 70 mm



		ILP 53	ILP 115	ILP 240	ILP 750
overall dims [mm]	A width	600	660	820	1270
	B height	710	860	1140	1580
	C depth	690	780	840	950
	C' depth	790	880	940	1050
internal dims [mm]	D width	400	460	600	1040
	E height	390	530	790	1200
	F depth	350	440	500	600