

Cooled incubators are perfect for incubation of samples in a stable environment, regardless of ambient conditions, at temperatures from -10 up to +100°C



ILW IG Smart PRO cooled incubator



All thermostatic equipment manufactured by POL-EKO-APARATURA can be provided with Calibration Certificate issued by accredited Measurement Laboratory. Detailed information on accreditation is available on website: www.pol-eko.eu.



Production of thousands of units a year with an individual approach to every single product while guaranteeing the highest standards requires flexibility and rapidity in action. The continuity of supplies of parts and subassemblies to production stations is ensured by the standards we have developed over the years, which are also monitored by the ERP system.

Dominik Kiepas, Head of Logistic Department



STANDARD FEATURES

- temperature range -10°C (option) / 0°C...+70°C (+100°C in Smart PRO)
- English instruction manual
- temperature protection class 2.0 (Smart) and 3.3 (Smart PRO) to DIN 12880
- open door alarm
- castors in standard for models ILW 240, 400, 750, 1000
- LAN and USB ports
- access port (Ø30 mm) on the left wall
- door lock
- stainless steel wire shelves (INOX)
- double door (external solid, internal glass)

EXTRA FOR SMART PRO

- Wi-Fi
- LAN cable
- LabDesk

AVAILABLE VERSIONS

- Smart
- Smart PRO
- FOT photoperiod (see page 44)
- FIT phytotron (see page 45)
- reinforced






SOFTWARE

- LabDesk for data download to a PC via LAN or Wi-Fi (optional for Smart version)

Application

- microbiological tests
- plant growing, microorganisms breeding at precisely controlled environment
- incubation of samples under certain temperature conditions
- incubation of samples for BOD determinations



		ILW 53	ILW 115	ILW 240	ILW 400	ILW 750
Parameter						
air convection		forced				
chamber capacity [l]		56	112	245	424	749
door type		double / door with viewing window (option)				
temperature range [°C]		-10 (option) / 0...+70 (+100 in Smart PRO version)				
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				
overall dims ² [mm]	A width	590	660	820	1020	1260
	B height	1000	1140	1430	1730	1910
	C depth	630	720	780	780	890
internal dims [mm]	D width	400	460	600	800	1040
	E height	390	540	800	1040	1200
	F depth	350	450	510	510	600
max shelf workload ⁵ [kg]	-	25	25	25	25	-
	PW ³ version	50	50	100	100	100
max unit workload [kg]	-	40	60	90	120	140
	W ⁴ version	80	120	300	300	300
nominal power [W]		450	500	900	1300	1900
weight [kg]		69	90	140	185	256
temperature fluctuation* at +37°C [± °C]		0,2	0,2	0,2	0,2	0,2
temperature variation* at +37°C [± °C]		0,3	0,3	0,3	0,3	0,3
temperature protection		class 2.0 to DIN 12880 / class 3.3 (option) / class 3.3 in Smart PRO				
power supply**		230V 50-60Hz				
shelves fitted/max		2/5	2/7	3/10	3/14	5/16
refrigerant		1234ze / GWP=1			R290 / GWP=3	
warranty		24 months				
manufacturer		POL-EKO-APARATURA				

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

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

** - other power supplies on request

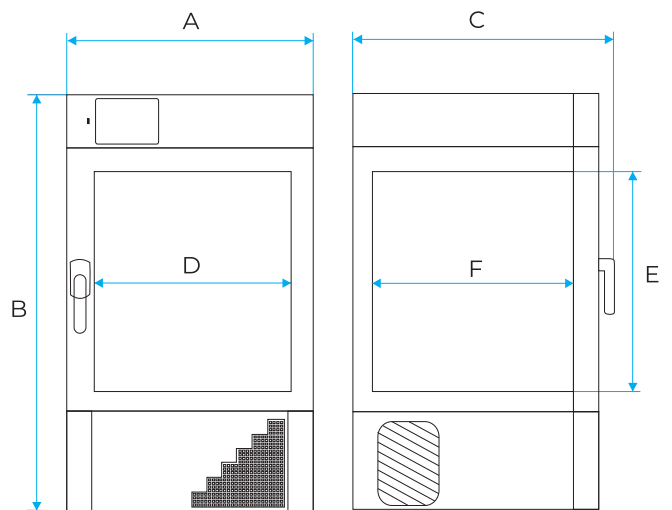
1 - internal glass door, external solid

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

3 - reinforced shelf

4 - reinforced version

5 - on uniformly loaded surface



Options and accessories (icon description see pages 76-82)

