

Data sheet

Cooled Incubator (IL) ILW 53 Smart PRO



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 PRO controller:

- large (7"), clear, full colour touch screen
- LAN, USB ports and WiFi for communication and data transfer
- multi-segment time and temperature programs
- overview of data in tabular and graphic form
- visual and sound alarm
- Admin function for management
- password protected log-in
- internal memory for programs and data storage
- event registry with user notifications
- LabDesk software and user manual for direct download



Smart PRO - preview screen

TECHNICAL DATA

air convection	forced
chamber capacity [l]	56
working capacity [l]	56
controller	microprocessor PID
display	7 full colour touch screen

TEMPERATURE

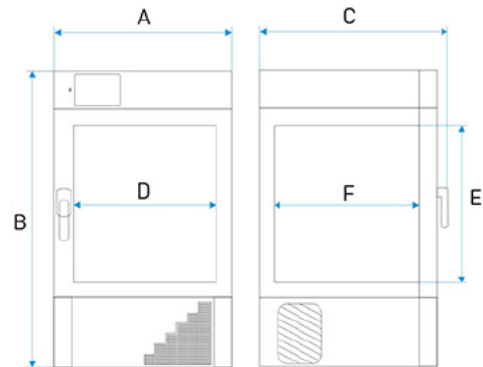
temperature range [°C]	0...+100 / -10...+100 (option)
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [±°C]*	0,2
temperature variation at 37°C [±°C]*	0,3
over temperature protection	class 3.3 to DIN 12880

CHAMBER

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

overall dims [mm] /1/

width A	590
height B	1000
depth C	630
internal dims [mm]	
width D	400
height E	390
depth F	350



shelves (standard max)	2 5
max shelf workload [kg] /2/	25
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	40
- reinforced unit version (W) [kg] /4/	80
weight [kg]	69

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	450
refrigerant	1234ze / GWP=1
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	<p>all the above technical data refer to standard units (without optional accessories)</p> <p>* - fluctuation measured in centre of the chamber; in space, variation (K) calculated for chamber as: $K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$</p> <p>** - other power supplies on request</p> <p>1 - depth doesn't include 50 mm of power cable 2 - on uniformly loaded surface 3 - reinforced shelf 4 - reinforced version 5 - additional internal glass door</p>

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:

$K = \pm (T \text{ average max.} - T \text{ average min.}) / 2$

** - other power supplies on request

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

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

5 - additional internal glass door

OPTIONS AND ACCESSORIES



Order number: */A

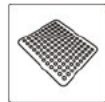
door with viewing window



INOX

Order number: */P INOX

Stainless steel wire shelf INOX



Order number: */PP

Perforated shelf



Order number: */PW

Reinforced shelf



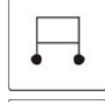
Order number: KUW GN*/*

Stainless steel cuvettes



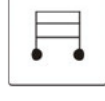
Order number: QLK*

Wheels



Order number: */S or */S INOX

Table with wheels



Order number: */ST or */S INOX

Base on castors



Order number: *PLUS

Automatic defrosting function



Order number: */T

Low temperature version



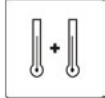
Order number: */W

Reinforced version



Order number: OWW/OWW LED

Interior lighting



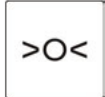
Order number: PT 100

Additional temperature sensor



Order number: GNZ

Internal socket



Order number: BRT/*L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



Order number: BPP 12

Battery backup for display



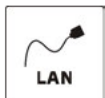
Order number: PORT ALARM

Dry alarm contact



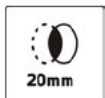
Order number: USBK

USB cable



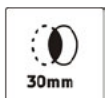
Order number: LANK

LAN cable



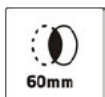
Order number: OCZ/20

Non-standard access port 20 mm



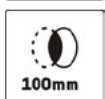
Order number: OCZ/30

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



Order number: CCTV

Camera inside the chamber

ALEPH

Part Science · Part Art



Order number: CCTV CAM

Additional camera