

Data sheet

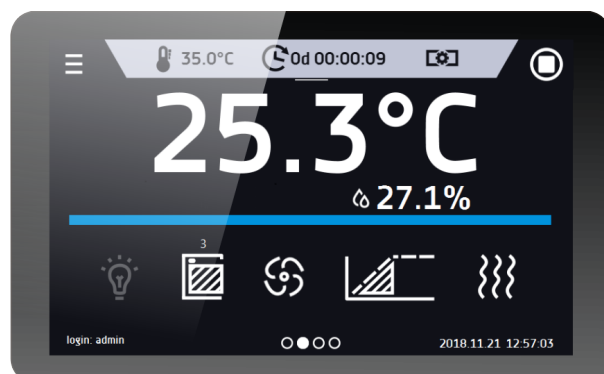
Climatic Chamber KK 1450 Smart PRO



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]	1485
working capacity [l]	1264
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE AND HUMIDITY

temperature range [°C]	0...+60
temperature resolution every ... [°C]	0,1
temperature variation at 25°C and 60%rH [+/-°C]*	2,0
relative humidity range [%]	30...90 (see chart for details)
humidity resolution every ... [%]	1,0
humidity variation at 25°C and 60% rH [%rH]	5,0
over temperature protection	class 3.3 to DIN 12880


CHAMBER

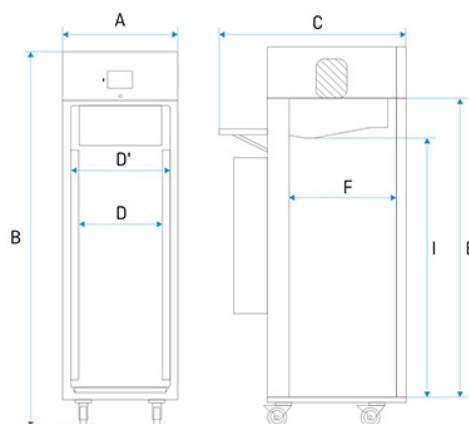
door type	double (external solid, internal glass) / external glass (option)
interior	
Smart PRO	DIN 1.4301
IG Smart PRO	DIN 1.4301
housing	
Smart PRO	powder coated sheet
IG Smart PRO	stainless steel linen finish

overall dims [mm] /1/

width A	1460
height B	1940
depth C	1170

internal dims [mm]

width D	1270
width D'	1340
height E	1460
depth F	750
height I	1270



shelves (standard max)	2 x 3 11
max shelf workload [kg] /2/	30
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	300
weight [kg]	230

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	3450
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO-APARATURA

all the above technical data refer to standard units (without optional accessories)
 * - variation (K) calculated for chamber as: $K = \frac{T_{\text{average max.}} - T_{\text{average min.}}}{2}$

** - 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

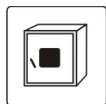
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OPTIONS AND ACCESSORIES



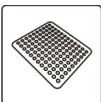
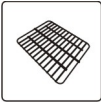


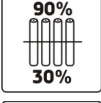
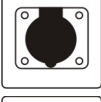

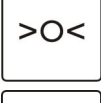
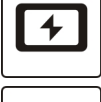



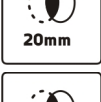
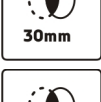



Order number: */A

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: */FIT	Phytotron system
	Order number: FIT/R3	FIT panels independent control
	Order number: GNZ	Internal socket
	Order number: KK/CP	Low water level sensor
	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: KK/Z	Container for deionised water



Order number: KD

Access control



Order number: CCTV

Camera inside the chamber



Order number: CCTV CAM

Additional camera