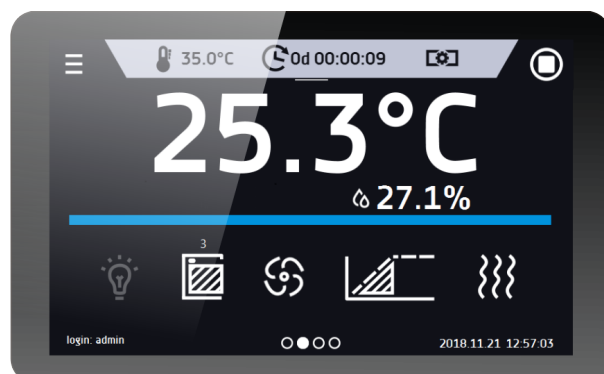# Data sheet

Climatic Chamber
KK 400 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
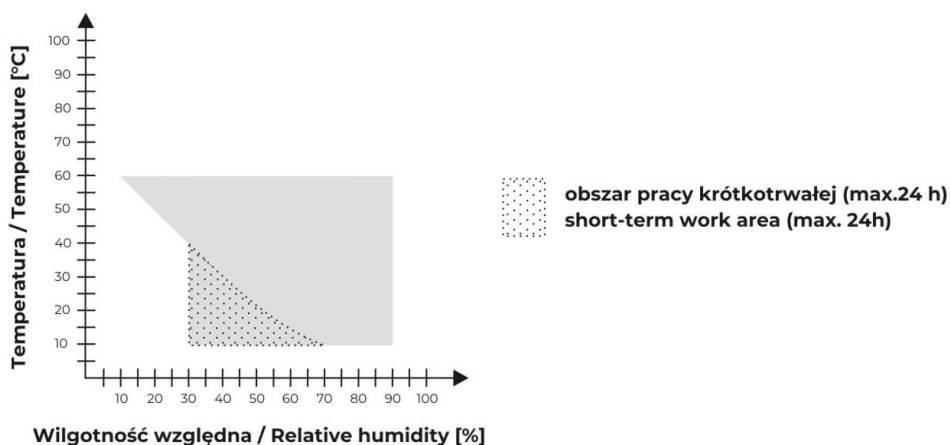- LabDesk software and user manual for direct download

Smart PRO - preview screen

tel. (+48) 32 453 91 70

e-mail: info@pol-eko.com.pl
internet: www.pol-eko.com.pl

POL-EKO-APARATURA SP. J.
A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

TECHNICAL DATA

air convection	forced
chamber capacity [l]	416
working capacity [l]	416
controller	microprocessor PID
display	7" full colour touch screen

TEMPERATURE AND HUMIDITY

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

obszar pracy krótkotrwałej (max.24 h)
short-term work area (max. 24h)

Wilgotność względna / Relative humidity [%]

CHAMBER

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

overall dims [mm] /1/	
width A	1020
height B	1850
depth C	1000
internal dims [mm]	
width D	800
height E	1040
depth F	500
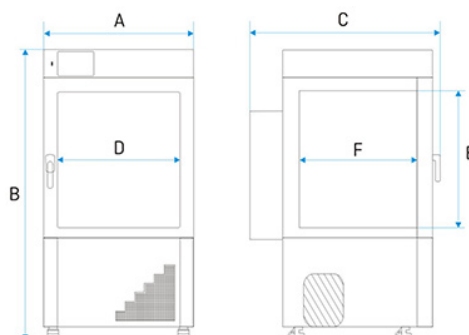
shelves (standard | max)	3 | 14
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	120
weight [kg]	185
ELECTRICAL PARAMETERS	
voltage**	230V 50Hz
nominal power [W]	2250
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO-APARATURA

all the above technical data refer to standard units (without optional accessories)
* - fluctuation measured in centre of 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
2 - on uniformly loaded surface
3 - reinforced shelf
4 - reinforced version

OPTIONS AND ACCESSORIES
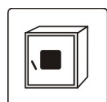
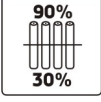|		
	Order number: */A	door with viewing window
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
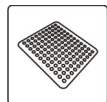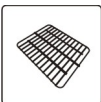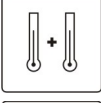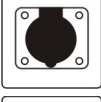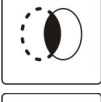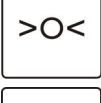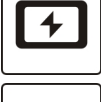
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: */FIT	Phytotron system
	Order number: FIT/R3	FIT panels independent control
	Order number: PT 100	Additional temperature sensor
	Order number: GNZ	Internal socket
	Order number: OCZ/N	Non-standard access port for external sensor
	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