# Data sheet

Climatic Chamber
KKS 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
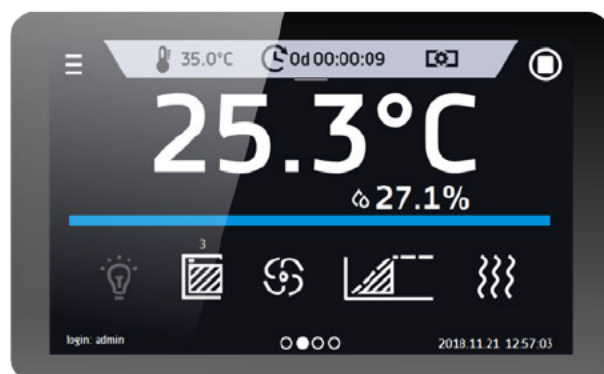
Smart PRO - preview screen

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...+100
temperature resolution every ... [°C]	0,1
temperature variation at 25°C and 60%rH [+/-°C]*	2,0
relative humidity range [%]	10...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

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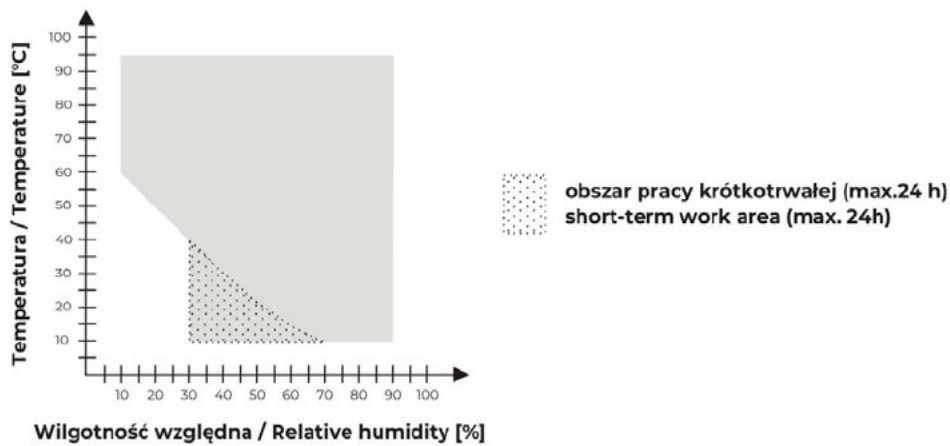
CHAMBER

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	1030
height B	1850
depth C	880
internal dims [mm]	
width D	800
height E	1040
depth F	500
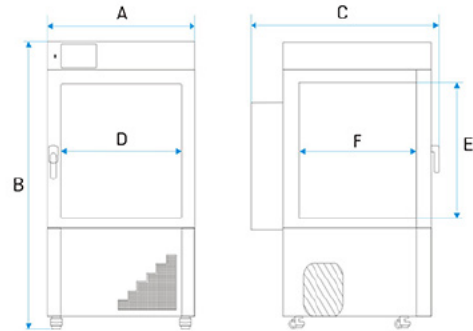
shelves (standard | max)	3 | 14
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	120
weight [kg]	185
ELECTRICAL PARAMETERS	
voltage**	400V 50-60Hz
nominal power [W]	3650
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO-APARATURA
txt_opis pod tabelą	all the above technical data refer to standard units (without optional accessories) and without a reverse osmosis system * - 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
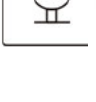
all the above technical data refer to standard units (without optional accessories) and without a reverse osmosis system
* - variation (K) calculated for chamber as: K= +/- (T average max. - T average min.) / 2
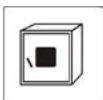** - other power supplies on request
1 - depth doesn't include 50 mm of power cable
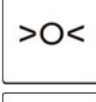2 - on uniformly loaded surface
3 - reinforced shelf
4 - reinforced version

OPTIONS AND ACCESSORIES

Order number: */A   door with viewing window

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: GNZ	Internal socket
>O<	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
	Order number: BPP 12	Battery backup for display
ALARM	Order number: PORT ALARM	Dry alarm contact
USB	Order number: USBK	USB cable
LAN	Order number: LANK	LAN cable
20mm	Order number: OCZ/20	Non-standard access port 20 mm
30mm	Order number: OCZ/30	Additional access port 30 mm
60mm	Order number: OCZ/60	Non-standard access port 60 mm
100mm	Order number: OCZ/100	Non-standard access port 100 mm
	Order number: KD	Access control
	Order number: CCTV	Camera inside the chamber
	Order number: CCTV CAM	Additional camera