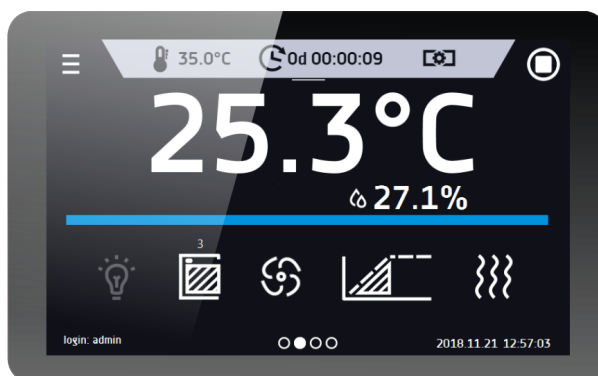# Data sheet

Climatic Chamber with Phytotron System
KK 1450 FIT P 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

POL-EKO-APARATURA SP. J.

A. POLOK – KOWALSKA, S. KOWALSKI
44-300 WODZISŁAW ŚLĄSKI, UL. KOKOSZYCKA 172 C

tel. (+48) 32 453 91 70

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

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 (with light on +10...+50)
temperature resolution every ... [°C]	0,1
temperature fluctuation at 25°C and 60%rH [+/-°C]*	2,0
relative humidity range [%]	30...90 (see chart for details)
humidity resolution every ... [%]	1,0
humidity fluctuation 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)
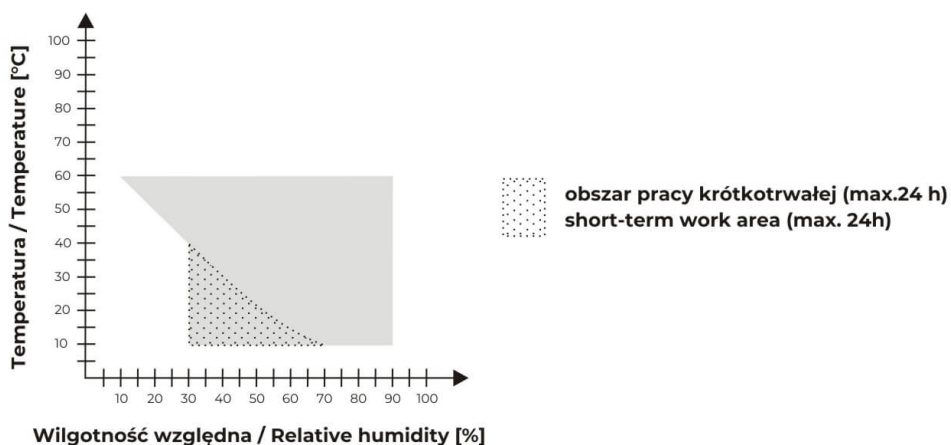
CHAMBER

door	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/

A width	1450
B height	1940
depth C	1170

internal dims [mm]

width D	1270
width D'	1340
height E	1460
depth F	760
height I	1310
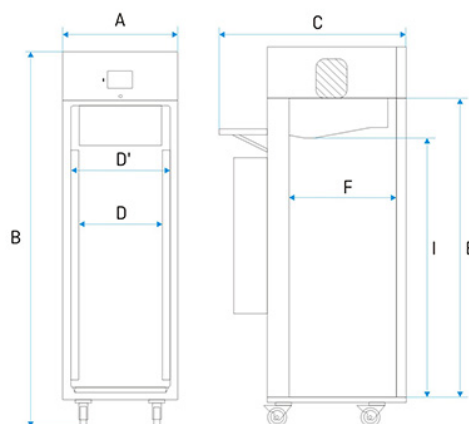
shelves (standard | max)	2 x 3 | 11
max shelf workload [kg] /2/	30
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	300
weight [kg]	230
ELECTRICAL PARAMETERS	
power supply	400V 50-60Hz
nominal power [W]	4100
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO-APARATURA

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
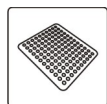
OPTIONS AND ACCESSORIES
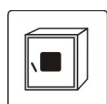
	Order number: */A	Door with viewing window
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
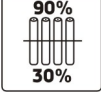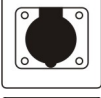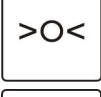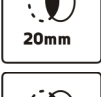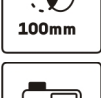
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Order number: */PW	Reinforced shelf
Order number: KUW GN*/*	Stainless steel cuvettes
Order number: FIT/R3	FIT panels independent control
Order number: GNZ	Internal socket
Order number: KK/CP	Low water level sensor
Order number: BRT/*/L or IQ/OQ/PQ	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

Bank: ING BŚ o/Wodzisław Śl.
Nr rachunku: 90 1050 1403 1000 0022 0879 5498
Nr rej. W BDO 000005609

NIP: 647-216-26-87 REGON: 276111984
Sąd Rejonowy w Gliwicach, X Wydział Gospodarczy
KRS 0000083696

PN-EN ISO 9001
ISOCERT CERTIFICATE

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