

## Data sheet

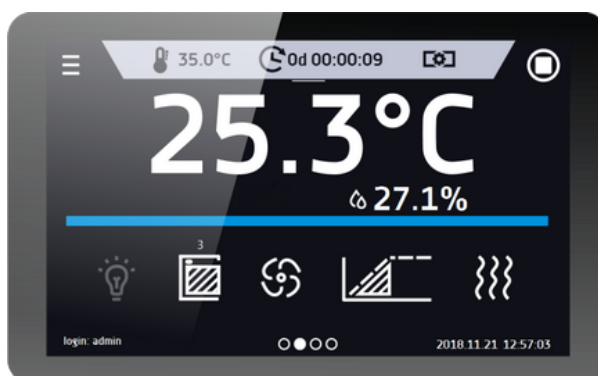
## Climatic Chamber with Phytotron System KK 1450 FIT P Smart PRO



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



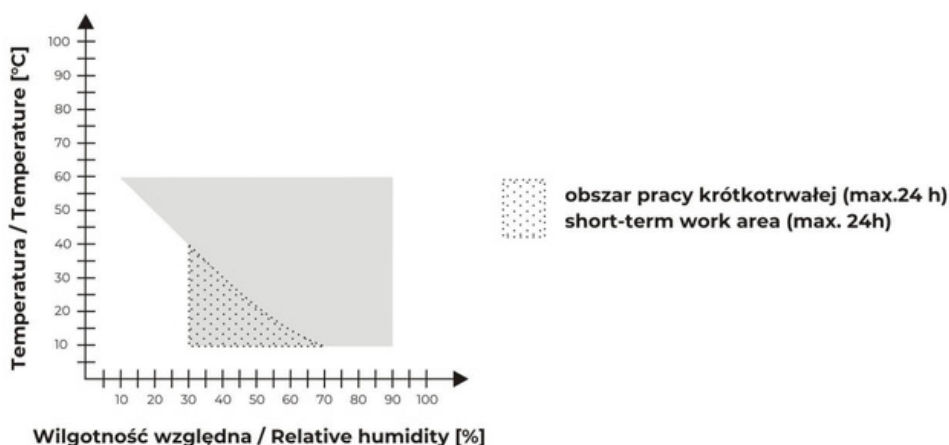
**Smart PRO - preview screen**

## 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 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

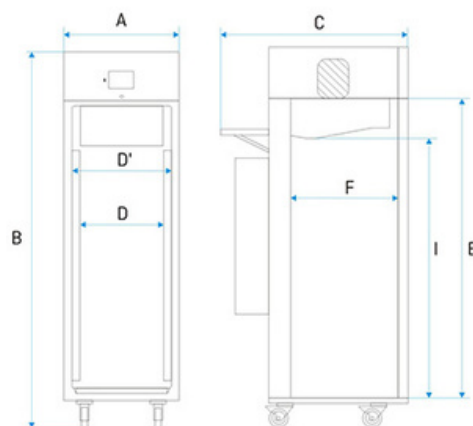
door	double (external solid, internal glass) / external glass (option)
<b>interior</b>	
Smart PRO	acid-proof stainless steel to DIN 1.4301
IG Smart PRO	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
Smart PRO	powder coated sheet
IG Smart PRO	stainless steel linen finish

**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)

\* - variation (K) calculated for chamber as:  $K = \frac{+/- (T \text{ average max.} - T \text{ average min.})}{2}$

\*\* - other power supplies on request

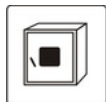
1 - depth doesn't include 50 mm of power cable

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

## OPTIONS AND ACCESSORIES



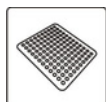
Order number: \*/A

Door with viewing window



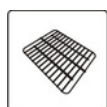
Order number: \*/P INOX

Stainless steel wire shelf INOX



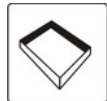
Order number: \*/PP

Perforated shelf



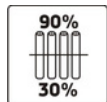
Order number: \*/PW

Reinforced shelf



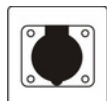
Order number: KUW GN\*/\*

Stainless steel cuvettes



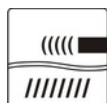
Order number: FIT/R3

FIT panels independent control



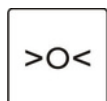
Order number: GNZ

Internal socket



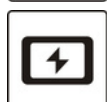
Order number: KK/CP

Low water level sensor



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

Calibration and IQ, OQ, PQ qualification



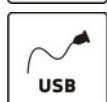
Order number: BPP 12

Battery backup for display



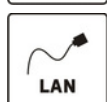
Order number: PORT ALARM

Dry alarm contact



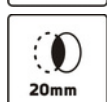
Order number: USBK

USB cable



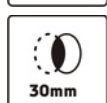
Order number: LANK

LAN cable



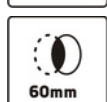
Order number: OCZ/20

Non-standard access port 20 mm



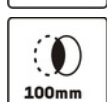
Order number: OCZ/30

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

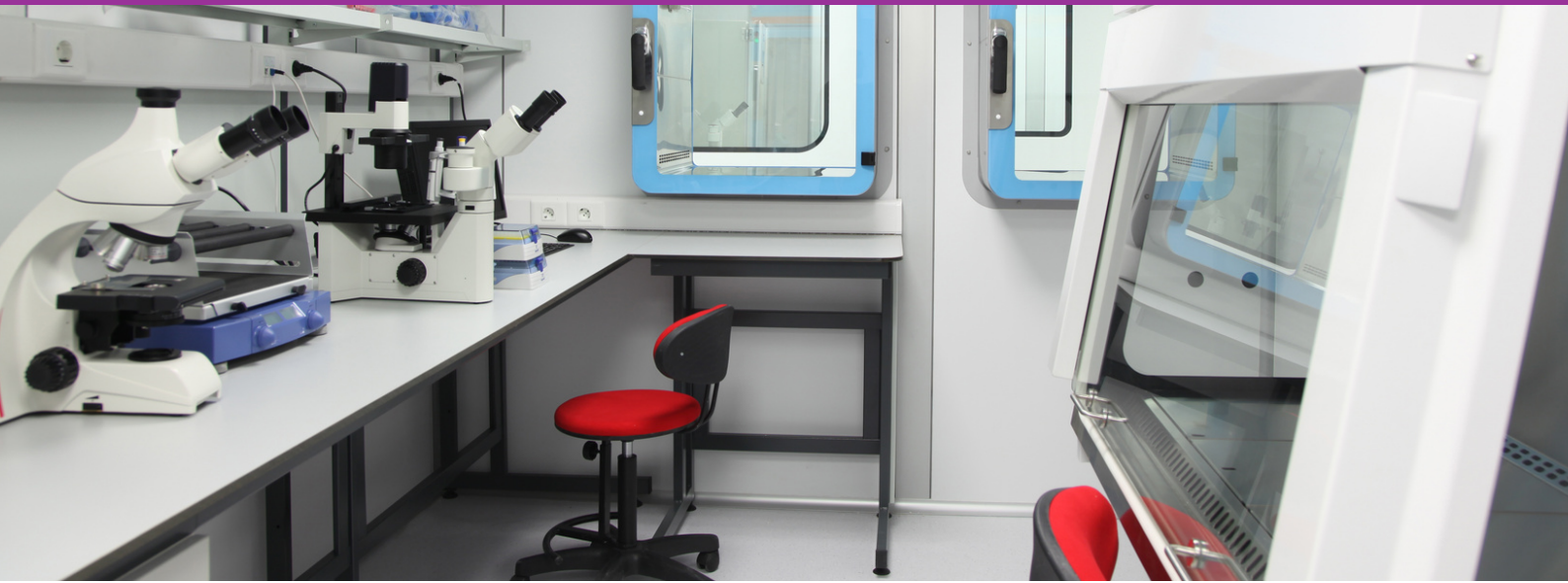


Order number: KK/Z

Container for deionised water



Order number: KK/Z



## Want to know more?

If you have questions about this item, please give us a call on 01257 270 433.

Richmond Scientific are a family run business in Lancashire. We're a small team, and we're always just a phone call away. With over 30 years in the business there's not much we haven't seen before, and we're always happy to chat.

Have kit to sell?

Call us on 01257 270 433

Email: [harry@richmondscientific.com](mailto:harry@richmondscientific.com)

Visit: [www.richmondscientific.com](http://www.richmondscientific.com)

[Visit Website](#)

[Sell used kit](#)

[Our newsletter](#)