



Data sheet

print date: 2025-02-06

VDW

Crucial Temperature Solutions

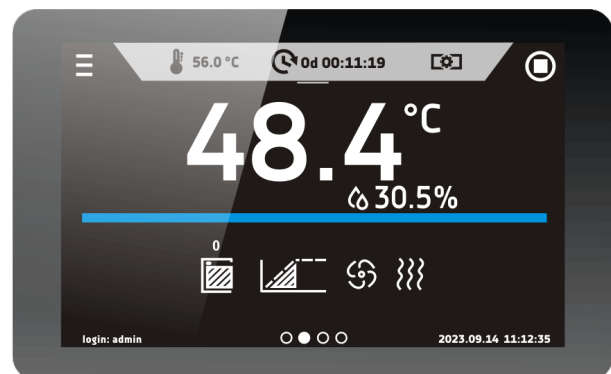
Climatic Chamber KKS 1450 Smart PRO



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

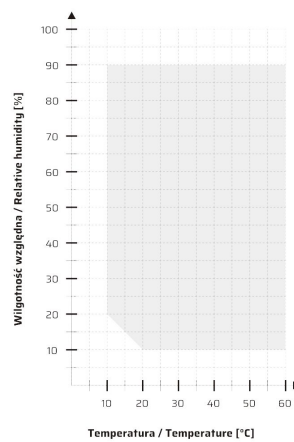


TECHNICAL DATA

air convection	forced
chamber capacity [l]	1565
working capacity [l]	963
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]*	1
temperature protection	class 3.3 to DIN 12880
relative humidity range [%]	10...90 (see chart for details)
humidity resolution every ... [%]	0,1
humidity variation at 25°C and 60% rH [%rH]	2



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

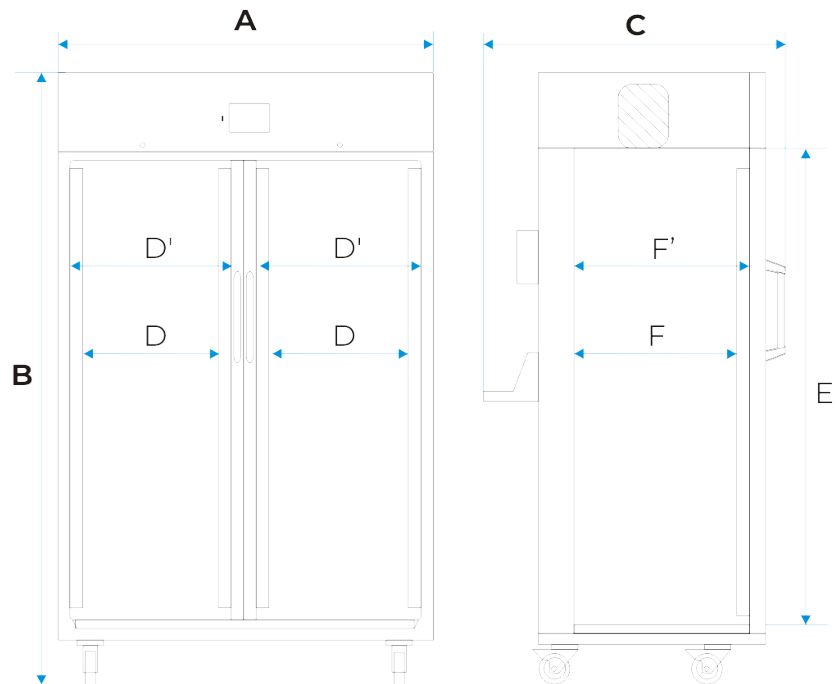


overall dims [mm] /1/

width A	1460
height B	1970
depth C	1140

internal dims [mm]

width D	535
width D'	600
height E	1510
depth F	550
depth F'	595



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 / 3P+PE 230V 50-60Hz
nominal power [W]	2800
refrigerant	R290 / GWP=3
warranty	24 months
manufacturer	POL-EKO®

all the above technical data refer to standard units (without optional accessories)

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

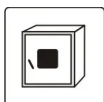
** - other power supplies on request

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

2 - on uniformly loaded surface

3 - reinforced shelf

OPTIONS AND ACCESSORIES



Order number: */A

door with viewing window



Order number: */P INOX

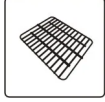
Stainless steel wire shelf INOX





Order number: */PP

Perforated shelf



Order number: */PW

Reinforced shelf



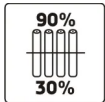
Order number: KUW GN*/*

Stainless steel cuvettes



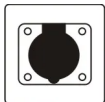
Order number: */FIT

Phytotron system



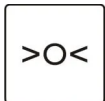
Order number: FIT/R3

FIT panels independent control



Order number: GNZ

Internal socket



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

Calibration and IQ, OQ, PQ qualification



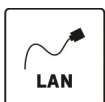
Order number: BPP 12

Battery backup for display



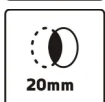
Order number: PORT ALARM

Dry alarm contact



Order number: 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: KD

Access control