



**POL-EKO**  
Perfect Environment

(+48) 32 453 91 70  
info@pol-eko.com.pl  
www.pol-eko.com.pl

**POL-EKO A. Polok-Kowalska sp.k.**  
44-300 Wodzisław Śląski  
ul. Kokoszycka 172 C

## Data sheet

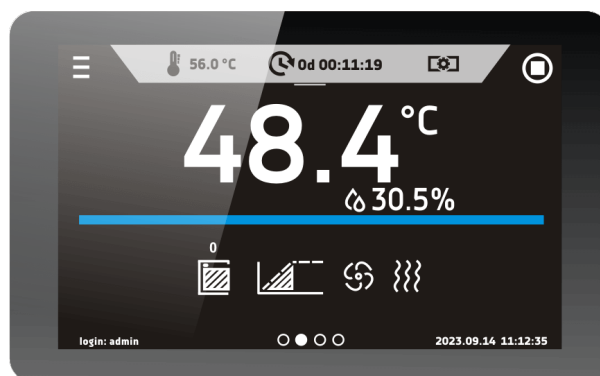
## Climatic Chamber KK 115 Smart PRO



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



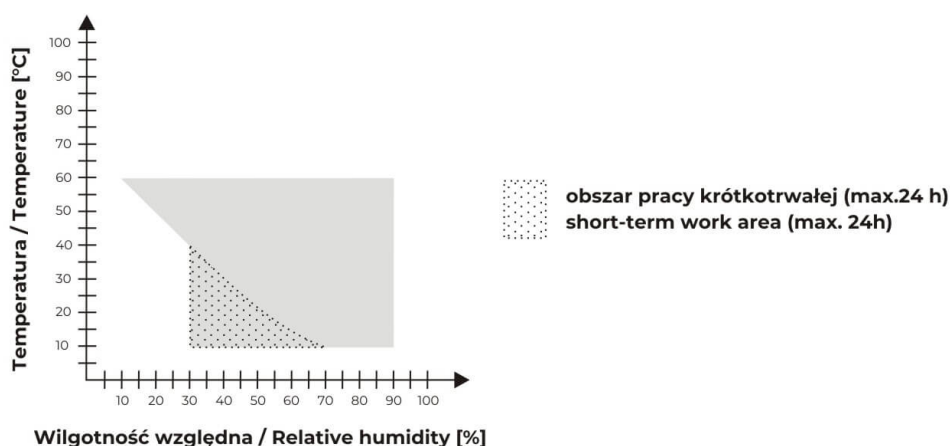
1	192
type	KK 115 Smart PRO

#### TECHNICAL DATA

air convection	forced
chamber capacity [l]	109
working capacity [l]	109
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]*	2,0
temperature protection	class 3.3 to DIN 12880
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



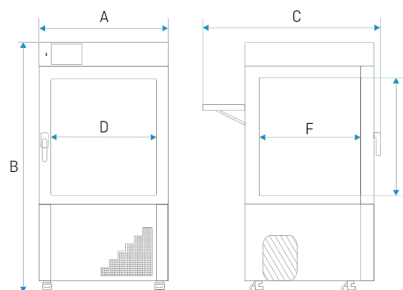
#### CHAMBER

door type	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/**

width A	670
height B	1340
depth C	950
<b>internal dims [mm]</b>	
width D	460
height E	530
depth F	440



shelves (standard   max)	2   7
max shelf workload [kg] /2/	10
- reinforced shelf version (PW) [kg] /3/	50
max unit workload [kg]	60
weight [kg]	90

**ELECTRICAL PARAMETERS**

voltage**	230V 50-60Hz
nominal power [W]	1350
refrigerant	R1234ze / GWP=7
warranty	24 months
manufacturer	POL-EKO

txt_opis_pt	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
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PL typ urządzenia	Climatic Chamber
img_photo	KK-115-Smart-PRO

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nazwa www pl	Komora Klimatyczna KK 115 Smart PRO
nazwa www EN	Climatic Chamber KK 115 Smart PRO
nazwa www ES	Cámara Climática KK 115 Smart PRO
ekran_grafika	kk_smart_pro
	Komory Klimatyczne

0	1
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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

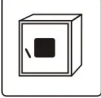


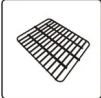


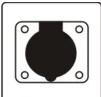
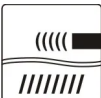
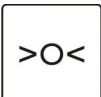


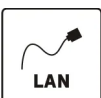
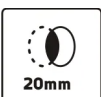
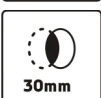
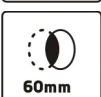


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## OPTIONS AND ACCESSORIES

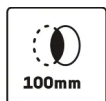
	Order number: */A	door with viewing window
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: */FIT	Phytotron system
	Order number: GNZ	Internal socket
	Order 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: 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



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Order number: OCZ/100

Non-standard access port 100 mm



Order number: KK/Z

Container for deionised water



Order number: KD

Access control