



POL-EKO
Perfect Environment

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Data sheet

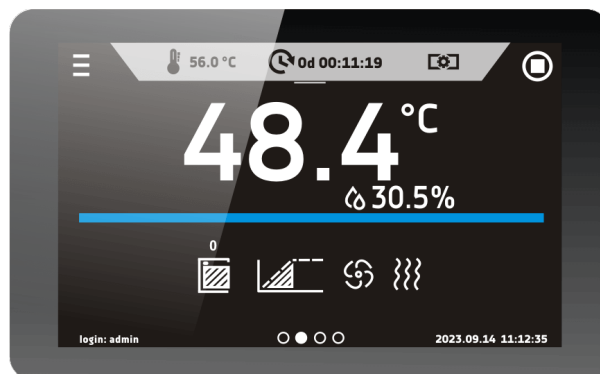
Climatic Chamber with Phytotron System KK 700 FIT DS Smart PRO



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

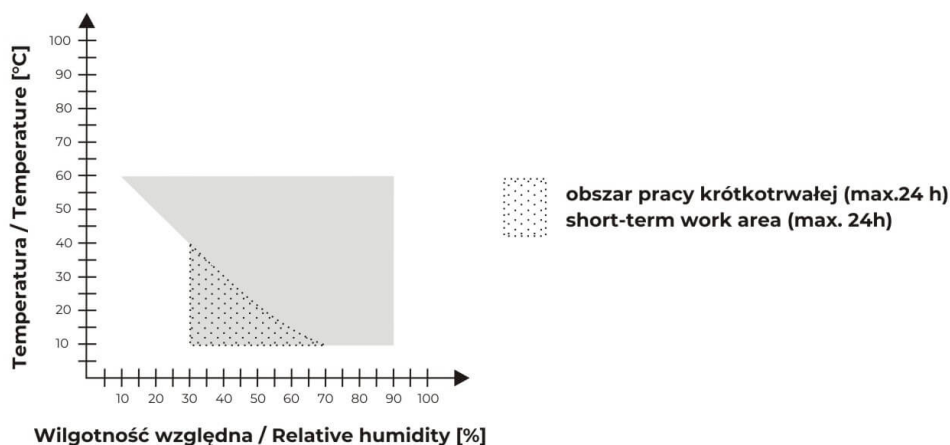


TECHNICAL DATA

| | |
|----------------------|-----------------------------|
| air convection | forced |
| chamber capacity [l] | 600 |
| working capacity [l] | 450 |
| 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 |
| 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) |
| 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 | 810 |
| height B | 2040 |
| depth C | 1180 |

internal dims [mm]

| | |
|----------|------|
| width D | 600 |
| width D' | 600 |
| height E | 1510 |
| depth F | 690 |
| height I | 1360 |





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| | |
|--|--------|
| shelves (standard max) | 3 11 |
| max shelf workload [kg] /2/ | 30 |
| - reinforced shelf version (PW) [kg] /3/ | 100 |
| max unit workload [kg] | 150 |
| weight [kg] | 170 |

ELECTRICAL PARAMETERS

| | |
|-------------------|--------------|
| voltage** | 230V 50-60Hz |
| nominal power [W] | 2850 |
| 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: $K = \frac{+/- (T \text{ average max.} - T \text{ average min.})}{2}$


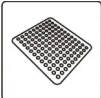
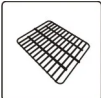
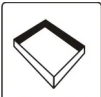
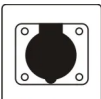
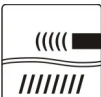
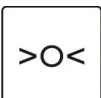


** - other power supplies on request

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

2 - on uniformly loaded surface

3 - reinforced shelf

OPTIONS AND ACCESSORIES

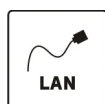
| | | |
|---|----------------------------------|--|
|  | Order number: */P INOX | Stainless steel wire shelf INOX |
|  | Order number: */PP | Perforated shelf |
|  | Order number: */PW | Reinforced shelf |
|  | Order number: KUW GN*/* | Stainless steel cuvettes |
|  | Order number: GNZ | Internal socket |
|  | 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 |



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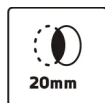
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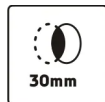
Order number: LANK

LAN cable



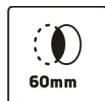
Order number: OCZ/20

Non-standard access port 20 mm



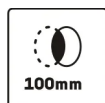
Order number: OCZ/30

Additional access port 30 mm



Order number: OCZ/60

Non-standard access port 60 mm



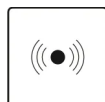
Order number: OCZ/100

Non-standard access port 100 mm



Order number: KK/Z

Container for deionised water



Order number: KD

Access control