Richmond Scientific

# Data sheet

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**Drying Oven**

## SLN 53 Smart PRO

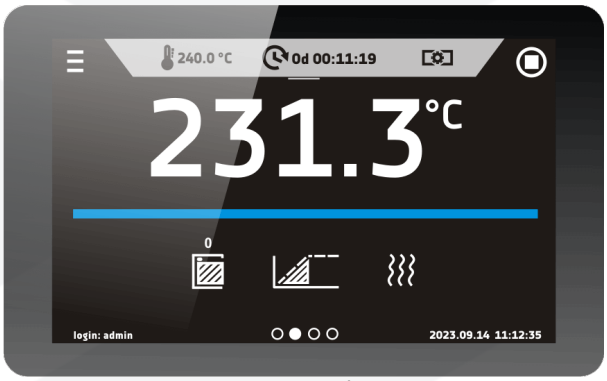






The photo above is for reference only, may show additional options not included in standard equipment. The real appearance, particularly color and structure of the material may differ from the ones presented in the photo.

**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 | natural |
| chamber capacity [l] | 83 |
| working capacity [l] | 55 |
| controller | microprocessor PID |
| display | 7" full colour touch screen |

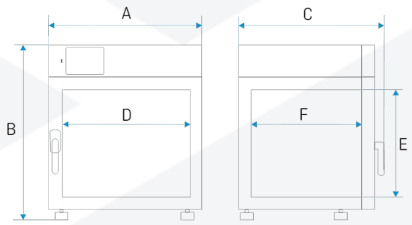
## TEMPERATURE

| | |
|---|---|
| temperature range [°C] | 5°C above ambient temperature ... +300°C |
| temperature resolution every ... [°C] | 0,1 |
| temperature fluctuation at 105°C [+/-°C]* | 0,4 |
| temperature variation at 105°C [+/-°C]* | 2 |
| temperature protection | class 3.1 to DIN 12880 |

## CHAMBER

| | |
|---|---|
| door type | solid / door with viewing window (option) |
| **interior** | |
| Smart PRO | corrosion-resistant stainless steel to DIN 1.4301 |
| IG Smart PRO | corrosion-resistant 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 | 600 |
| height B | 710 |
| depth C | 630 |
| **internal dims [mm]** | |
| width D | 400 |
| height E | 390 |
| depth F | 350 |

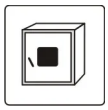
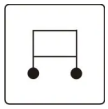
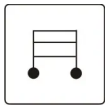
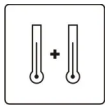



| | |
|---|---|
| shelves (standard \| max) | 2 \| 5 |
| max shelf workload [kg] /2/ | 25 |
| - reinforced shelf version (PW) [kg] /3/ | 50 |
| max unit workload [kg] | 40 |
| - reinforced unit version (W) [kg] /4/ | 80 |
| weight [kg] | 48 |

| ELECTRICAL PARAMETERS | |
|---|---|
| voltage | 230V 50/60Hz |
| nominal power [W] | 1700 |
| warranty | 24 months |
| manufacturer | POL-EKO® |

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: */PW | Reinforced shelf |
|  | Order number: KUW GN*/* | Stainless steel cuvettes |
|  | Order number: QLK* | Castors |
|  | Order number: */S or */S INOX | Table with castors |
|  | Order number: */ST or */S INOX | Base on castors |
|   | Order number: */W | Reinforced version |
|  | Order number: OWW/OWW LED | Interior lighting |
|  | Order number: PT 100 | Additional temperature sensor |
|   | Order number: HEPA | HEPA Clean Air Filter |

| | | |
|---|---|---|
| >O< | Order number: BRT/*/L or IQ/OQ/PQ | Calibration and IQ, OQ, PQ qualification |
| | Order number: RFID LOCK (SMART PRO) | RFID LOCK (SMART PRO) |
| | Order number: BPP 12 | Battery backup for display |
| ALARM | Order number: PORT ALARM | Dry alarm contact |
| LAN | Order number: LANK | LAN cable |
| 20mm | 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 |