# Data sheet

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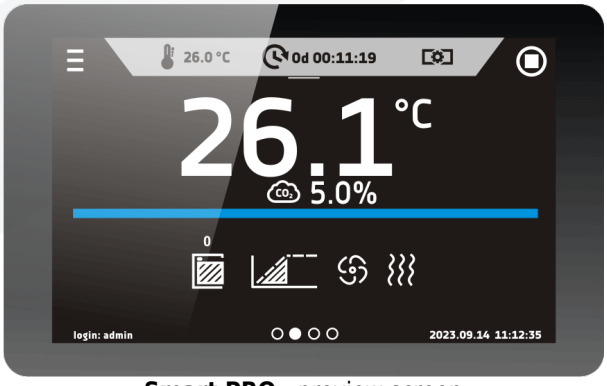
**$CO_2$ Incubator**

## ILC 260 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



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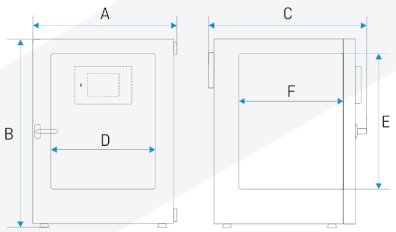
Richmond Scientific

| TECHNICAL DATA | |
|---|---|
| air convection | natural (without fan) |
| chamber capacity [l] | 262 |
| working capacity [l] | 205/3/ |
| controller | microprocessor PID |
| display | 7" full colour touch screen |
| **TEMPERATURE** | |
| temperature range [°C] | 5°C above ambient temperature ... +50°C |
| temperature resolution every ... [°C] | 0,1 |
| temperature fluctuation at 37°C [+/-°C]* | 0,1 |
| temperature variation at 37°C [+/-°C]* | 0,4 |
| Temperature recovery time after 30 seconds door opening at 37°C [min] | 5 |
| temperature protection | class 3.1 to DIN 12880 |
| **$CO_2$** | |
| $CO_2$ range [%] | 0-20 |
| $CO_2$ resolution every ... [%] | 0,1 |
| $CO_2$ measurement | IR |
| $CO_2$ recovery time after 30 seconds door opening at 5 Vol.-% CO2 [min] | 10 |
| relative humidity range [%] | 90-95 |
| **CHAMBER** | |
| door type | double (external solid, internal glass) |
| **interior** | |
| Smart PRO | corrosion-resistant stainless steel to DIN 1.4301 |
| **housing** | |
| Smart PRO | powder coated sheet |

| **overall dims [mm] /1/** | |
|---|---|
| width A | 750 |
| height B | 1070 |
| depth C | 840 |
| **internal dims [mm]** | |
| width D | 600 |
| height E | 800 |
| depth F | 550 |

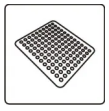
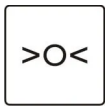
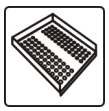
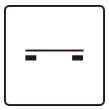
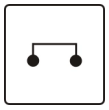



| | |
|---|---|
| shelves (standard \| max) | 3 / 8 |
| max shelf workload [kg] /2/ | 30 |
| max unit workload [kg] | 50 |
| weight [kg] | 118 |

| ELECTRICAL PARAMETERS | |
|---|---|
| Energy consumption at 37°C [Wh/h] | 97 |
| voltage | 230V 50/60Hz |
| nominal power [W] | 1700 |
| Noise level [db(A)] | 44 |
| 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 - doesn't include rack for shelves

## OPTIONS AND ACCESSORIES

| | | |
|---|---|---|
|  | Order number: */PP | Perforated shelf |
|  | Order number: BRT/*/L or IQ/OQ/PQ | Calibration and IQ, OQ, PQ qualification |
|  | Order number: */PPW | Reinforced perforated shelf |
|  | Order number: */AD | Stacking adaptor |
|  | Order number: */STN | Base on castors |