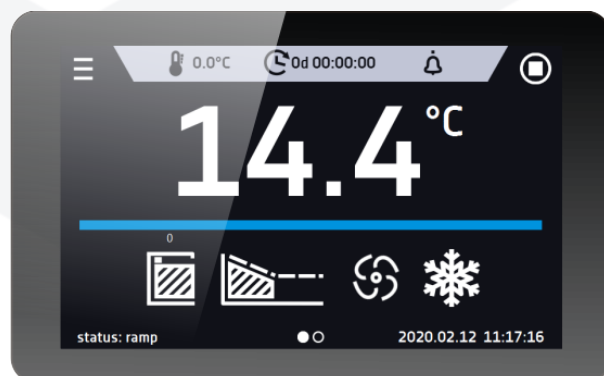# Richmond Scientific

Data sheet

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 controller:
- 4,3", clear, full colour touch screen
- LAN, USB ports for data transfer
- multi-segment time and temperature programs
- visual and sound alarm
- internal memory for programs and data storage
- event registry
- user manual for direct download
- Quick change of program parameters
- Alarm Bar
- operating with gloves on

Smart - preview screen

www.richmondscientific.com

+44 (0) 1257 270 433
harry@richmondscientific.com

Richmond Scientific Limited
Unit 9, Edward Street, Chorley, Lancashire, PR6 0RE

1/4

TECHNICAL DATA

|	
air convection	forced
chamber capacity [l]	245
working capacity [l]	245
controller	microprocessor PID
display	4,3" full colour touch screen

TEMPERATURE

temperature range [°C]	5°C above ambient temperature ... +100°C
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [+/-°C]*	0,1
temperature variation at 37°C [+/-°C]*	0,3
temperature protection	class 2.0 to DIN 12880 / class 3.1 (option)

CHAMBER

door type	double(5) / door with viewing window (option)
interior	
Smart	acid-proof stainless steel to DIN 1.4301
IG Smart	acid-proof stainless steel to DIN 1.4301
housing	
Smart	powder coated sheet
IG Smart	stainless steel linen finish

overall dims [mm] /1/

width A	820
height B	1140
depth C	770

internal dims [mm]

width D	600
height E	800
depth F	510
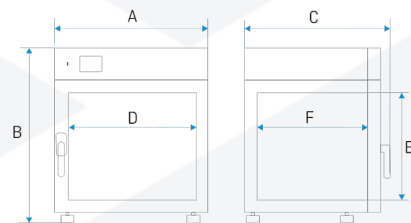
shelves (standard | max)	3 | 10
max shelf workload [kg] /2/	25
- reinforced shelf version (PW) [kg] /3/	100
max unit workload [kg]	90
- reinforced unit version (W) [kg] /4/	300
weight [kg]	118

www.richmondscientific.com

+44 (0) 1257 270 433
harry@richmondscientific.com

Richmond Scientific Limited
Unit 9, Edward Street, Chorley, Lancashire, PR6 0RE

2/4

ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	850
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
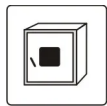
** - other power supplies on request

1 - depth doesn't include 50 mm of power cable, the width does not include the 20 mm of rubber plug

2 - on uniformly loaded surface

3 - reinforced shelf

4 - additional internal glass door

OPTIONS AND ACCESSORIES

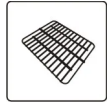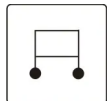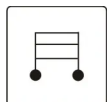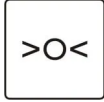|		
	Order number: */A	door with viewing window
	Order number: */P INOX	Stainless steel wire shelf INOX
	Order number: */PP	Perforated shelf
	Order number: */PW	Reinforced shelf
	Order number: KUW GN*/*	Stainless steel cuvettes
	Order number: QLK*	Castors
	Order number: */S or */S INOX	Table with castors
	Order number: */ST or */S INOX	Base on castors
	Order number: */W	Reinforced version
	Order number: OWW/OWW LED	Interior lighting
	Order number: HEPA	HEPA Clean Air Filter
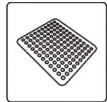
www.richmondscientific.com

+44 (0) 1257 270 433
harry@richmondscientific.com

Richmond Scientific Limited
Unit 9, Edward Street, Chorley, Lancashire, PR6 0RE

3/4

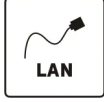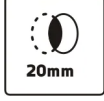|		
LAB DESK	Order numberLabDesk	LabDesk software
>O<	Order number: BRT/*/L or IQ/OQ/PQ	Calibration and IQ, OQ, PQ qualification
DIN 3.1	Order number: */3.1	Over temperature protection 3.1 class according to DIN 12880
⚡	Order number: BPP 12	Battery backup for display
ALARM	Order number: PORT ALARM	Dry alarm contact
LAN	Order number: LANK	LAN cable
20mm	Order number: OCZ/20	Non-standard access port 20 mm
30mm	Order number: OCZ/30	Additional access port 30 mm
60mm	Order number: OCZ/60	Non-standard access port 60 mm
100mm	Order number: OCZ/100	Non-standard access port 100 mm
(((•)))	Order number: KD	Access control
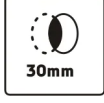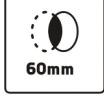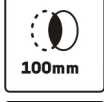
www.richmondscientific.com

+44 (0) 1257 270 433
harry@richmondscientific.com

Richmond Scientific Limited
Unit 9, Edward Street, Chorley, Lancashire, PR6 0RE

4/4