

## Data sheet

# VDW



Crucial Temperature Solutions

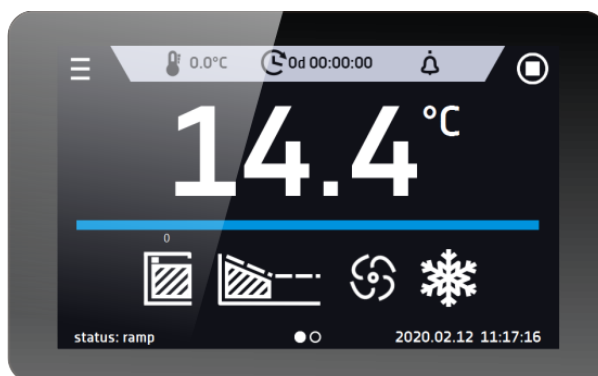
## Laboratory Incubator CLW 15 Smart



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

## TECHNICAL DATA

air convection	forced
chamber capacity [l]	15
working capacity [l]	15
controller	microprocessor PID
display	4,3" full colour touch screen

## TEMPERATURE

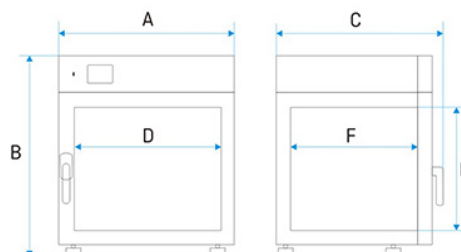
temperature range [°C]	5°C above ambient temperature ... +100°C
temperature resolution every ... [°C]	0,1
temperature fluctuation at 37°C [±/°C]*	0,2
temperature variation at 37°C [±/°C]*	0,4
over temperature protection	class 2.0 to DIN 12880 / class 3.1 (option)

## CHAMBER

door type	double(5)
<b>interior</b>	
Smart	acid-proof stainless steel to DIN 1.4301
IG Smart	acid-proof stainless steel to DIN 1.4301
<b>housing</b>	
Smart	powder coated sheet
IG Smart	stainless steel linen finish

## overall dims [mm] /1/

width A	510
height B	550
depth C	470
<b>internal dims [mm]</b>	
width D	320
height E	230
depth F	200



shelves (standard   max)	1   2
max shelf workload [kg] /2/	10
max unit workload [kg]	20
weight [kg]	27

## ELECTRICAL PARAMETERS

voltage**	230V 50-60Hz
nominal power [W]	350
warranty	24 months
manufacturer	POL-EKO-APARATURA

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:

$K = \frac{T_{\text{average max.}} - T_{\text{average min.}}}{2}$

\*\* - other power supplies on request

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

2 - on uniformly loaded surface

3 - reinforced shelf

4 - reinforced version

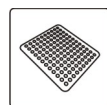
5 - additional internal glass door

## OPTIONS AND ACCESSORIES



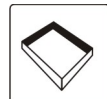
Order number: \*/P INOX

Stainless steel wire shelf INOX



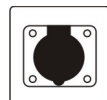
Order number: \*/PP

Perforated shelf



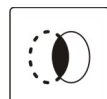
Order number: KUW GN\*/\*

Stainless steel cuvettes



Order number: GNZ

Internal socket



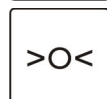
Order number: OCZ/N

Non-standard access port for external sensor



Order number: LabDesk

LabDesk software



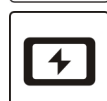
Order number: BRT\*/L or IQ/OQ/PQ

Calibration and IQ, OQ, PQ qualification



Order number: \*/3.1

Over temperature protection 3.1 class according to DIN 12880



Order number: BPP 12

Battery backup for display



Order number: PORT ALARM

Dry alarm contact