



## SDB 1104-40



The SDB Series is equipped with a patented U-4001 Drying Unit. A second dry unit is available as an option. It is engineered for medium to long-term constant low humidity storage of 1-2%RH.

The circulation of air in the cabinet is regulated by an internal fan.

All surfaces are ESD coated in conformity with current ESD 61340-5-1 standard.

The SDB-1104-41 is ideal for the moisture-proof and anti-oxidation storage of wide-ranging technologies and conforms with IPC/JEDEC J- STD 033C & IPC-1601.



### 0 series display

Battery operated humidity measurement device (standard in cabinet).



## Features

**Hygrometer**  
**Lockable doors**  
**ESD safe design**

**Shelves**  
**Dry unit**  
**Power supply**

Hygrometer with alarm function, accuracy +/- 3%  
4 doors, locked with key  
Norm (IEC 61340-5-1)  
ESD metal painted body ( $10^6$  Ohm/sq)  
Dissipative glazing (inside and outside  $10^8$  Ohm/sq)  
5 height adjustable ESD painted steel shelves  
1 pc U 4001 dry unit  
5 meter cable with IEC plug

## Benefits

**Maintenance**  
**Dry unit**  
**Highly energy sufficient**  
**Recovery time after door opening**  
**Adjustable legs**  
**IPC**

The drying unit is maintenance free  
Optional second unit available  
Average power consumption 24 W/h  
<15 min to below 5% with 1 dry unit. (after 1 door opening)  
For levelling out  
According to IPC/JEDEC JSTD 033C & IPC-1601



## Technical Data Cabinet

External dimensions:	(W x H x D) 1200 x 1675(1840) x 658 mm
Internal dimensions:	(W x H x D) 1190 x 1533 x 630 mm
Weight:	155 kg
Max weight on shelf:	50 kg
Max loading capacity:	300 kg
Body:	Steel, conductive coated $10^7 \Omega/\text{sq}$
Shelves (W x D):	5 pcs, 1157 x 490 mm, adjustable (ESD painted)
Volume:	1139 L
Voltage:	230 V AC (120 V AC optional)
Power consumption:	24 W/h
Protection class:	Hard grounded, Class 1
Humidity level in cabinet:	Drying 1-2% RH *

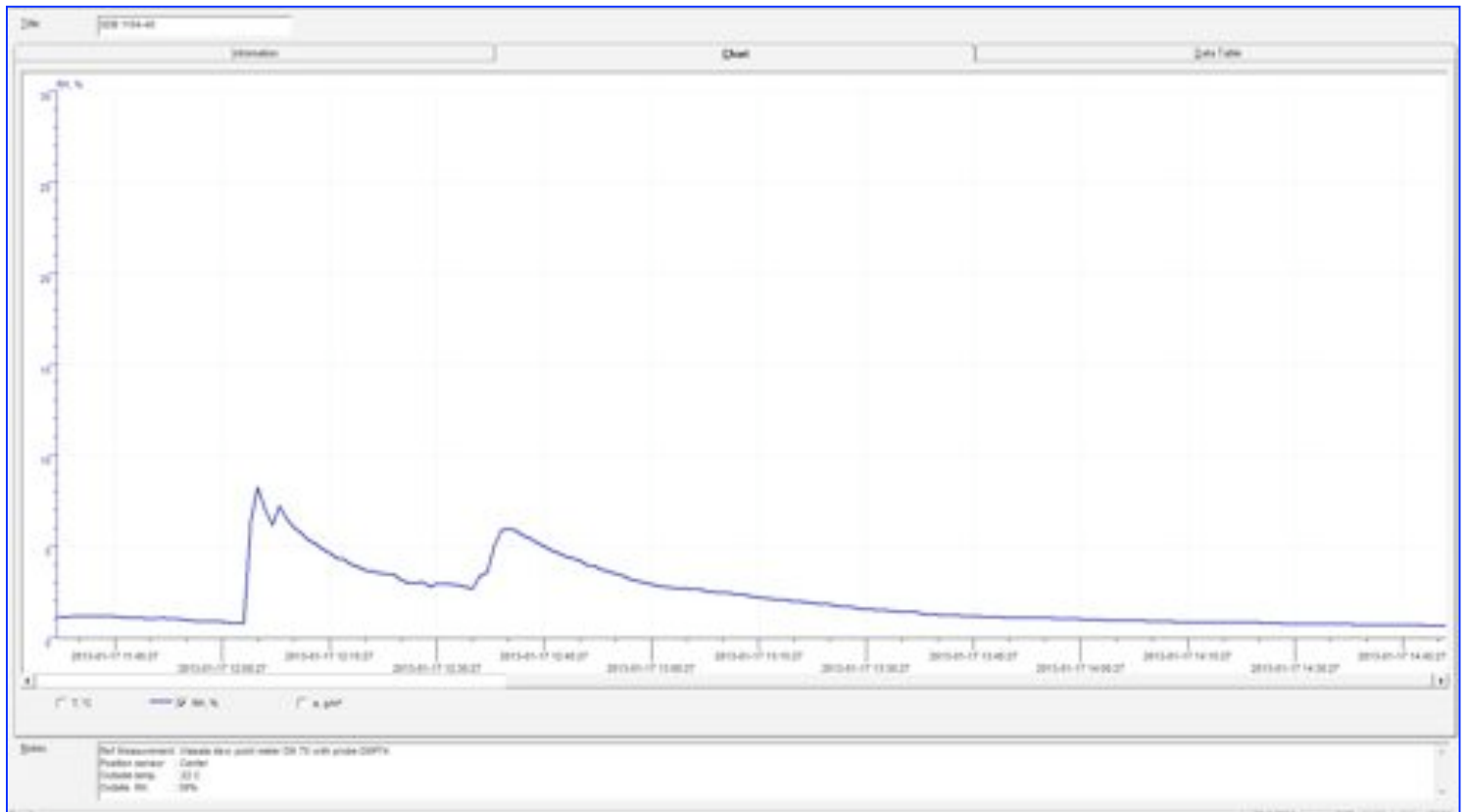
\*(depending on number of door openings)

## Technical Data Dry Unit U-4001

Control:	Stand alone dry unit (no control function)
Voltage level:	230 V/50 Hz. (optional 120 V/60 Hz)
Power consumption:	24 W/h
Dimensions:	W x L X D = 260 mm x 380 mm x 100 mm
Weight:	8.1 kg.



## Performance



## Test condition



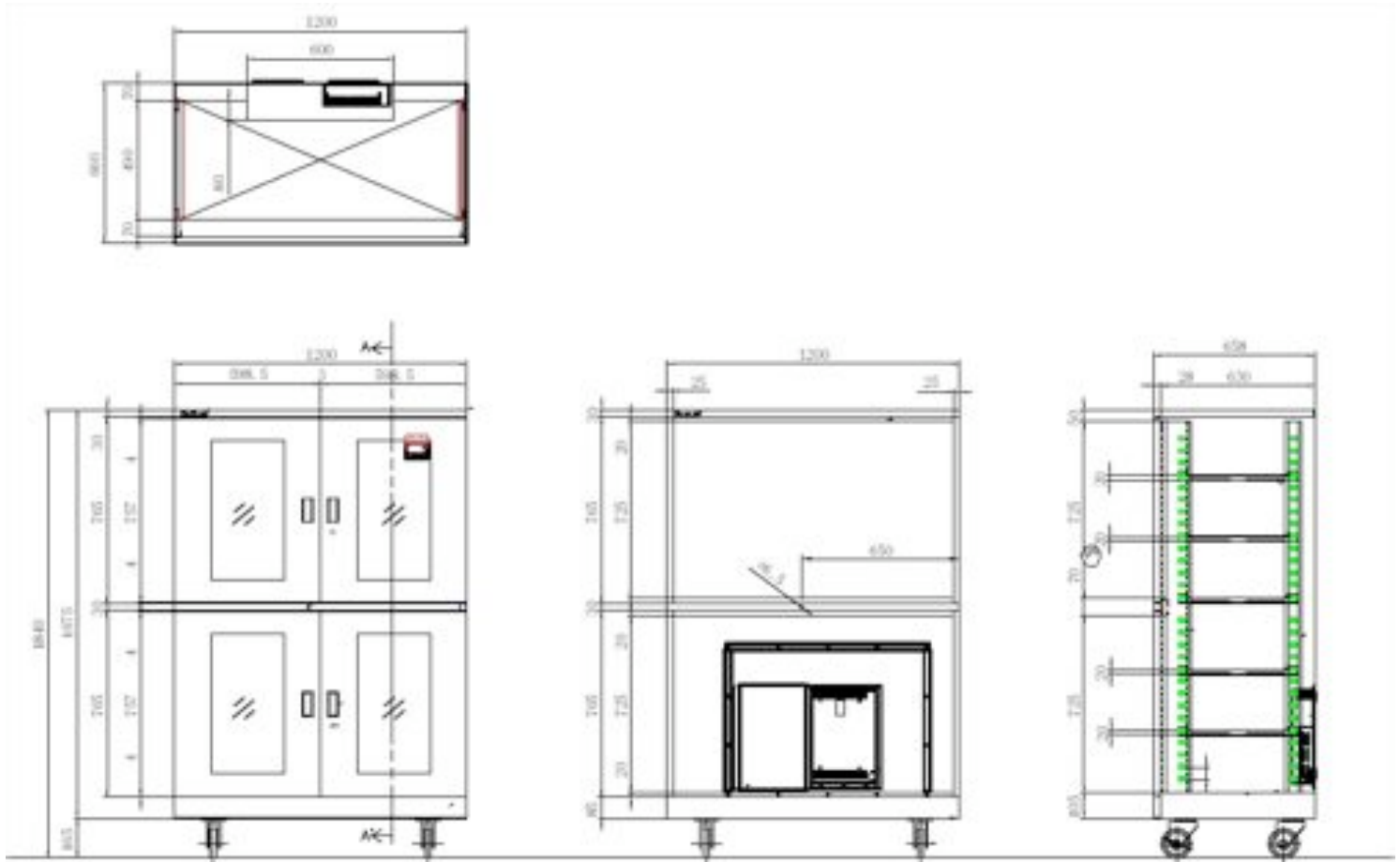
Instrument:  
 Type of dew point sensor:  
 Accuracy of dew point sensor:  
 Location of sensor:  
 Ambient conditions:  
 Door openings:

Vaisala.  
 Vaisala drycap 180M  
 $\pm 0.2^{\circ}\text{C}$  at  $+ 20^{\circ}\text{C}$  ( $+ 68^{\circ}\text{F}$ )  
 In the direct surrounding of cabinet sensor  
 Humidity  $50 \pm 5\%$  RH,  $25^{\circ} \pm 2^{\circ}\text{C}$ , Pressure  $994 \pm 20\text{hPa}$ .  
 2 door openings, 15 sec. (average RH 0.70%)



## Technical Drawings

### SDB 1104-40



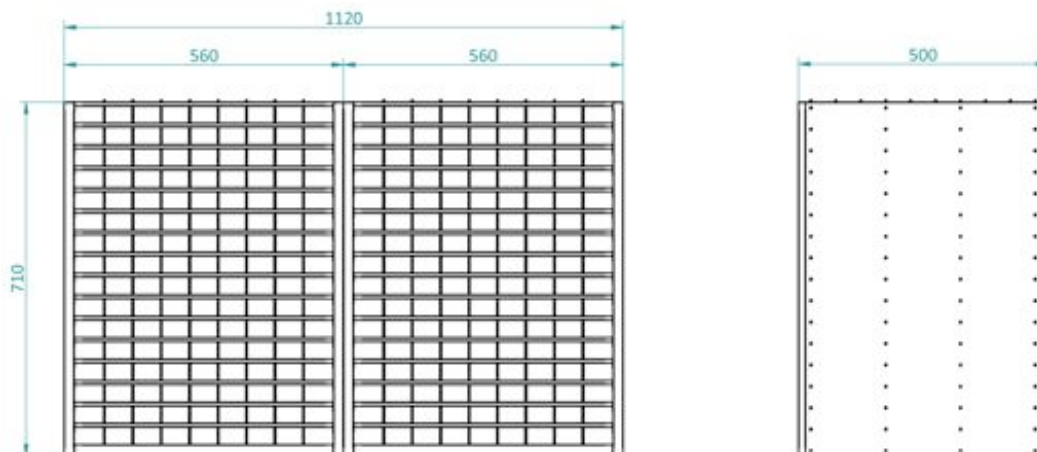
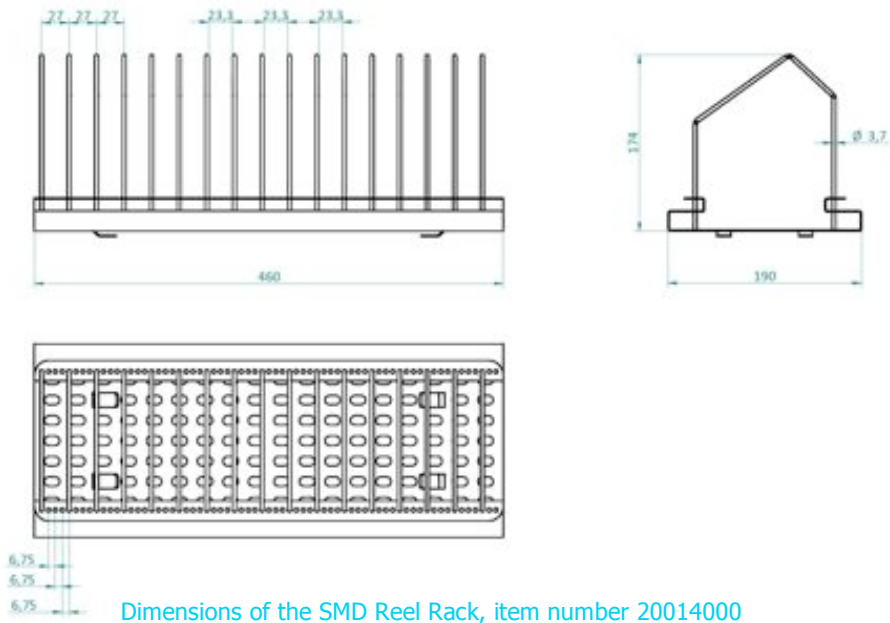
Dimensions in mm.

Number of shelves bottom section	2	3	4	5
Distance (in mm) between shelves if equally spaced in bottom section	350	230	175	125
Remaining space between top shelf and middle beam	370	225	125	120
Remaining space between bottom shelf and bottom cabinet	330	230	180	125
Loading capacity shelves m <sup>2</sup> (1155 mm x 490 mm)	1,13	1,70	2,26	2,83
Number of shelves top section	2	3	4	5
Distance (in mm) between shelves if equally spaced (if bottom shelf is mounted at lowest possible position in top section)	350	230	175	125
Remaining space between top shelf and top beam	370	230	125	125
Remaining space between bottom shelf and middle beam	330	230	180	130
Loading capacity shelves m <sup>2</sup> (1155 mm x 490 mm)	1,13	1,70	2,26	2,83
Shelves are adjustable every mm	50	50	50	50



Measurements can slightly deviate.

## Technical Drawings



Dimensions of the Honeycomb system, item number 20050101



## Options



### SMD Reel Rack

460 mm length and mountable on shelf.

Item number 20014000

**SMD Reel supports** – reel support for 20014000

Item number 20014200



### Humidity calibrator Hygropalm 22

Precision measuring device for calibrating sensors

Set includes Hygroclip sensor, case and cable  
Item number 20001019

Hygropalm only  
Item number 20001016



### Shelf standard

For cabinets type 1106 and 1104.

Item number 20111408

Brackets 2 pcs, item number 20111709



### Shelf

For cabinets with 2 drying units.

Item number 20111608

Brackets 2 pcs, item number 20111709



### Rotronic datalogger set

Including HW4-E-V3 Software and Cable AC3006

Item number 47000580



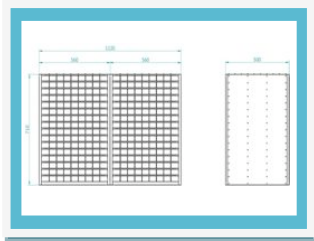
### Drying Unit U-4001

Item number 230V/50Hz 30021129

Item number 120V/60Hz 30021131



## Options



### Honeycomb system

Flexible stainless steel storage system for IC Tubes, components & PCB's. The width of the compartments is adjustable before installing the system in the cabinet. The number of compartments varies from 16 to 288.

Item number 20050101

Item number: 93009411 / version 11-02



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