

## SDB 1106-40



### Storage Cabinet



The SDB series is equipped with a patented drying unit U-4001. A second drying unit is optional available. Engineered for medium to long-term constant low humidity storage of  $\leq 3\%$  RH.

The circulation of air in the cabinet is regulated through an inside fan.

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

The SDB-1106-40 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)

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### Standard Features

✓ <b>Hygrometer</b>	Hygrometer with alarm function, accuracy +/- 3%
✓ <b>ESD safe design</b>	Norm (IEC 61340-5-1) ESD metal painted body (<10 <sup>6</sup> Ohm/sq) Dissipative glazing (in- and outside 10 <sup>8</sup> Ohm/sq)
✓ <b>Lockable doors</b>	6 doors locked with key
✓ <b>Shelves</b>	In height adjustable ESD painted steel shelves (5 pcs)
✓ <b>Drying unit</b>	U-4001 drying unit (optional second available)
✓ <b>Transport</b>	Castors, 360° rotating wheels with brakes
✓ <b>Power supply</b>	Power cord 5 meter with IEC plug

### Benefits

✓ <b>Recovery time after door opening</b>	<40 minutes to below 1% with 1 dry unit (by 1 door opening)
✓ <b>Highly energy efficient</b>	Average power consumption 24 W/h
✓ <b>IPC</b>	According to IPC-JEDEC J-STD 033C & IPC-1601
✓ <b>Maintenance</b>	The drying unit is maintenance free, easy to service

## SDB 1106-40

### 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
- ✓ Weight on shelf: 50 kg
- ✓ Max. loading capacity: 300 kg
- ✓ Body: Steel, conductive coated 10<sup>7</sup> Ω/sq
- ✓ Shelves (WxD): 5 pcs, 1157 x 490 mm adjustable (ESD coated)
- ✓ Volume: 1139 L
- ✓ Electric supply: 230 VAC (120 VAC optional)
- ✓ Power consumption: Average 24 W/h (excl. heating)
- ✓ Protection class: Class 1, hard grounded
- ✓ Humidity level cabinet: ≤5% RH depending on amount of door openings

### Technical data dry-unit U-4000 series

- ✓ Control: Standalone drying unit (no control function)
- ✓ Dehumidifying Temperature: 10 – 40° C
- ✓ Electric supply: 230VAC 50Hz (120VAC 60Hz optional)
- ✓ Dimensions (L x B x H): 260 x 380 x 100 mm
- ✓ Weight: 8,1 kg
- ✓ Power consumption: 24 W/h

### Technical data heater SH-230-4

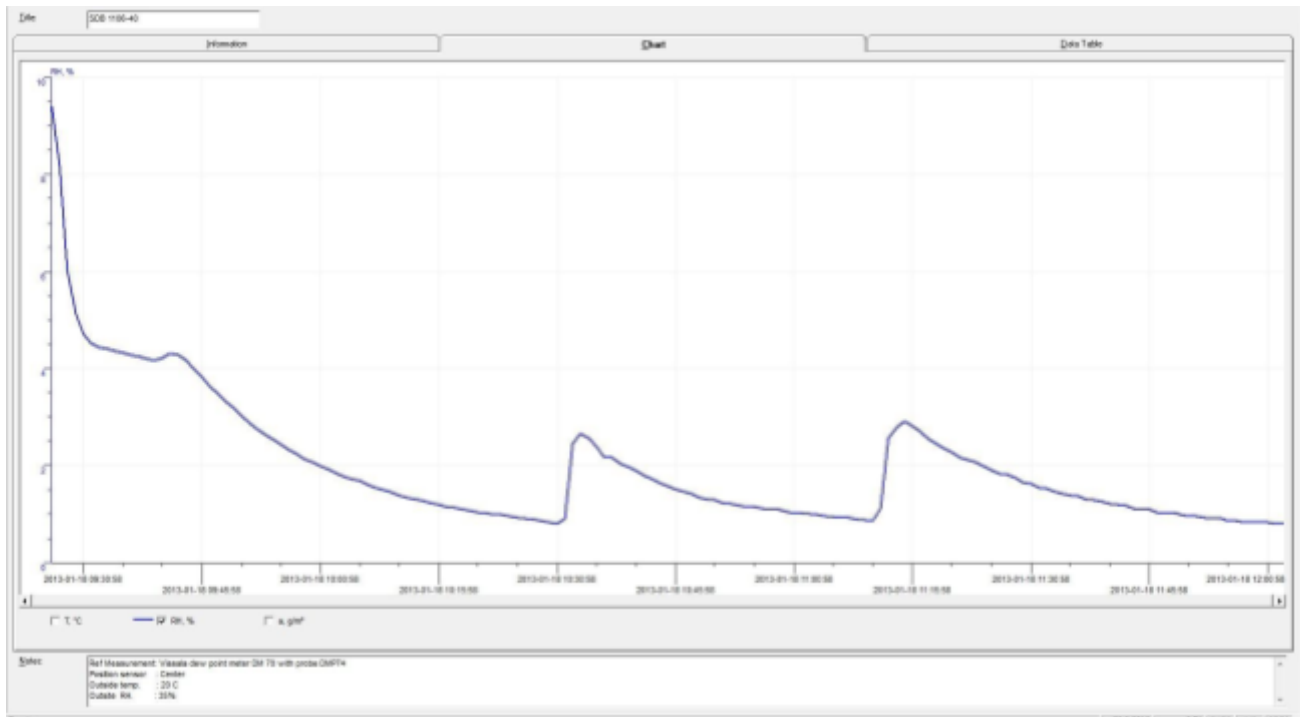
- ✓ Voltage: 230 VAC / 50 Hz (120 VAC / 60 Hz optional)
- ✓ Power: 780 W
- ✓ Temperature sensor: PTC 100
- ✓ Thermal protection: 90 °C
- ✓ Temperature range: 30 - 40 °C
- ✓ Air flow: 86 m<sup>3</sup>/h
- ✓ Display tolerance: 1 digit at 25 °C

### Technical data N<sup>2</sup> Flow

- ✓ N<sup>2</sup> connection: 8mm hose connection
- ✓ N<sup>2</sup> pressure: 1 - 6 bar
- ✓ N<sup>2</sup> standby amount: 0 - 25 L/min

# SDB 1106-40

## Performance test

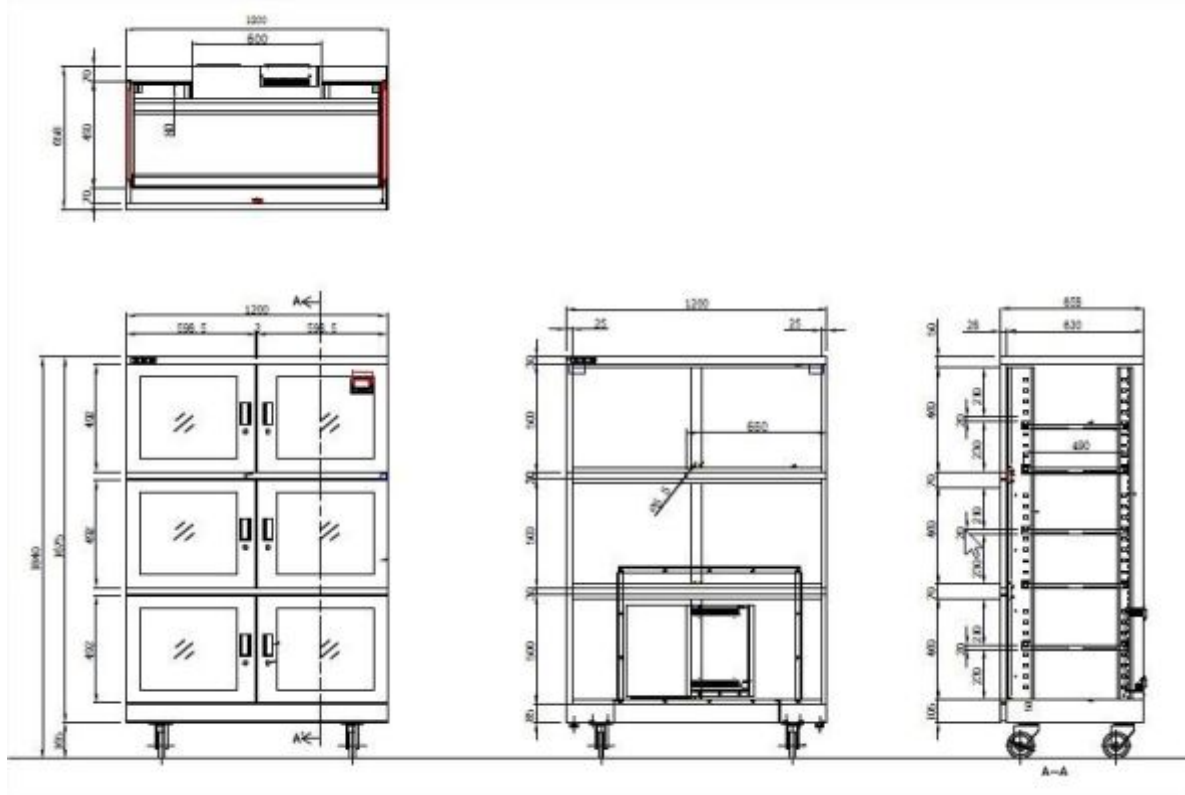


## Test conditions

- ✓ Instrument: Vaisala
- ✓ Type of dew point sensor: Vaisala drycap 180M
- ✓ Accuracy of dew point sensor:  $\pm 0,2^{\circ} \text{ C}$  at  $+ 20^{\circ} \text{ C}$  ( $+ 68^{\circ} \text{ F}$ )
- ✓ Location of sensor: In the direct surroundings of the cabinet sensor
- ✓ Ambient conditions: Hum.  $50 \pm 5\% \text{ rH}$ ,  $22^{\circ} \text{ C} \pm 2^{\circ} \text{ C}$ , Pressure  $994 \pm 20 \text{ hPa}$
- ✓ Door openings: 2 door openings, 15 sec. (average RH 0,70%)

For more detailed test results, please refer to our website.

## Technical drawings



Dimensions mentioned in mm.

## Shelves

Number of different types of shelves that can be mounted in the cabinet

<b>Number of shelves bottom section</b>	<b>2</b>	<b>3</b>
Distance (in mm) between shelves if equally divided in bottom section	160	80
Remaining space between top shelf and lower beam	150	155
Remaining space between bottom shelf and bottom cabinet	125	75

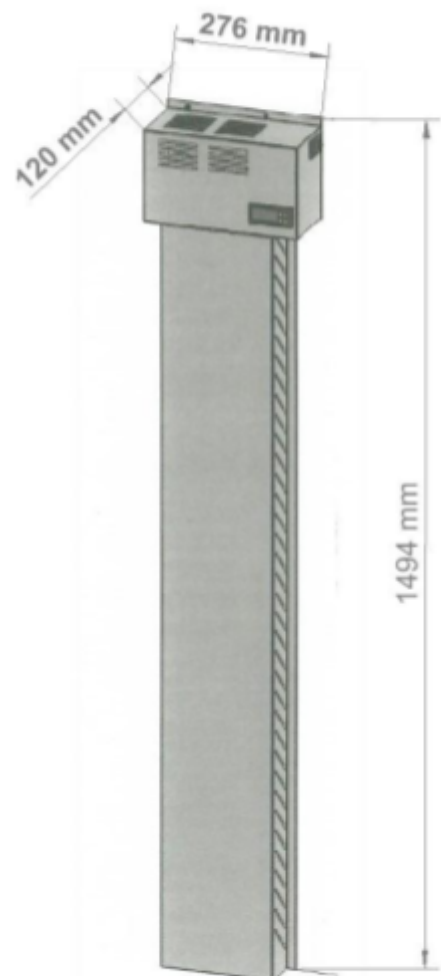
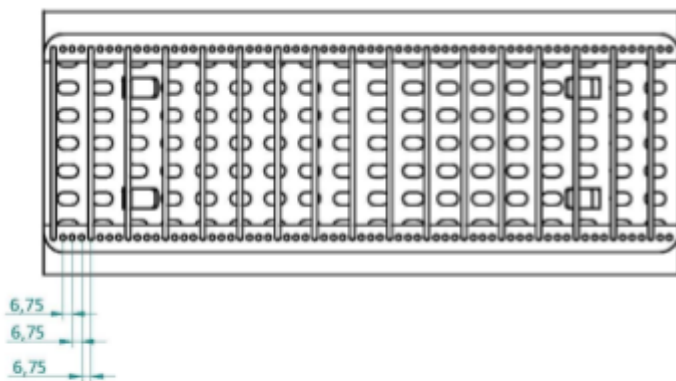
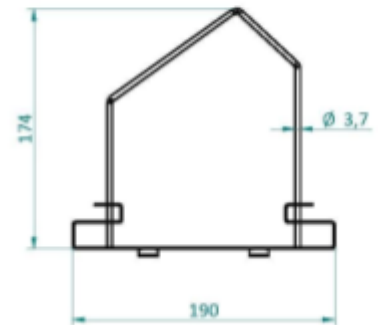
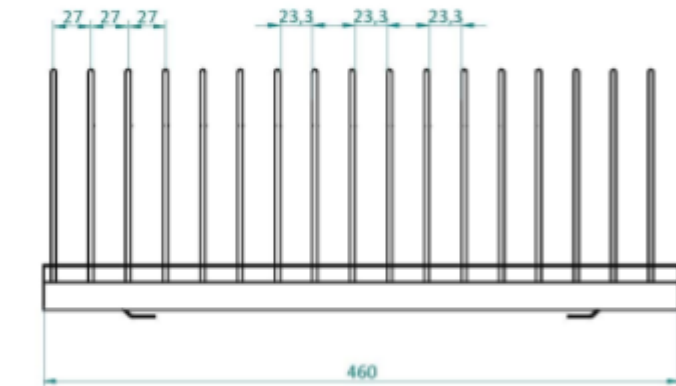
<b>Number of shelves middle section</b>	<b>2</b>	<b>3</b>
Distance (in mm) between shelves if equally divided in bottom section	230	130
Remaining space between top shelf and top beam	210	140
Remaining space between bottom shelf and lower beam	0	0

<b>Number of shelves top section</b>	<b>2</b>	<b>3</b>
Distance (in mm) between shelves if equally divided (if bottom shelf is mounted at lowest possible position in top section)	230	130
Remaining space between top shelf and top beam	210	140
Remaining space between bottom shelf and upperbeam	0	0

Shelves are adjustable every 30 mm, measurements can slightly deviate.

## SDB 1106-40

### Technical drawings



## SDB 1106-40

### Options



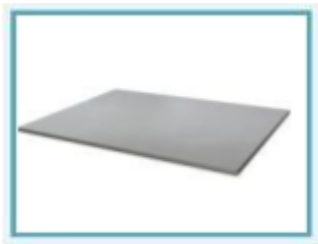
**SMD Reel rack with reel supports**  
460 mm length.

*Item number 20014000*



**Reel support**  
Additional reel supports for 20014000.

*Item number 20014200*



**Shelf standard**  
For cabinets type 1104 and 1106

Standard:  
*Item number 20111608*  
With 2 drying units:  
*Item number 20111408*



**N<sup>2</sup> Flow system**  
The N<sup>2</sup> Flow system is developed to use in combination with a Totech drying cabinet. The device is used for the quick removal of moisture in the cabinet. The drying process is realized by using nitrogen. Adjustable 10 - 100 L/min.

*Item number 20010020*



**Heater SH 230-4**  
40°C heater

*Item number 21001001*



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### Options



#### Dry unit U-4001

*Item number 230V/50Hz 30021129*

*Item number 120V/60Hz 30021131*



#### X Feeder system

This feeder rack is suitable for Siemens X Feeder systems.  
Sold in combination with reel rack.

*Item number 46204004*



#### S Feeder system

This feeder rack is suitable for S Feeder systems.  
Sold in combination with reel rack.

*Item number 46204009*



#### SuperDry Data Logger

Highly accurate data logger with standard Ethernet interface.  
Compatible with the Free Totech Viewer and Totech Monitor.

*Item number 47000582*