



SDB 151-40



The SDB Series is equipped with a patented drying unit U 4001. 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-151-41 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**
- **ESD bonding point**
- **Power supply**
- Hygrometer with alarm function, accuracy +/- 3%
- Door locked with key.
- Norm (IEC 61340-5-1)
ESD metal painted body (10^6 Ohm/sq)
Dissipative glazing (in- and outside 10^8 Ohm/sq)
- 3 in height adjustable ESD painted steel shelves
- U 4001 dry unit
- ESD wristband can be connected with the cabinet
- Cable 5 meter with IEC plug

Benefits

- **Maintenance**
- **Highly energy sufficient**
- **Recoverytime after dooropening**
- **Adjustable legs**
- **IPC**
- The drying unit is maintenance free
- Average power consumption 24 W/h
- <15 min to below 1%. (by 1 door opening)
- For leveling out
- According to IPC/JEDEC J- STD 033C & IPC-1601





Technical Data Cabinet

- External dimensions: (W x H x D) 500 x 630 x 580 mm
- Internal dimensions: (W x H x D) 490 x 560 x 450(530) mm
- Weight: 37 kg
- Weight on shelf: 30 kg
- Max. loading capacity: 100 kg
- Body: Steel, conductive coated 10⁸ Ω/sq
- Shelves (W x D): 3 pcs, 468 x 380 mm adjustable.
- Volume: 135 L
- Voltage: 230 V AC (120 V AC optional)
- Power consumption: 24 W/h
- Protection class: hard grounded, Class 1
- Humidity level cabinet: Drying ≤3% RH *

*(depending on amount of dooropenings)

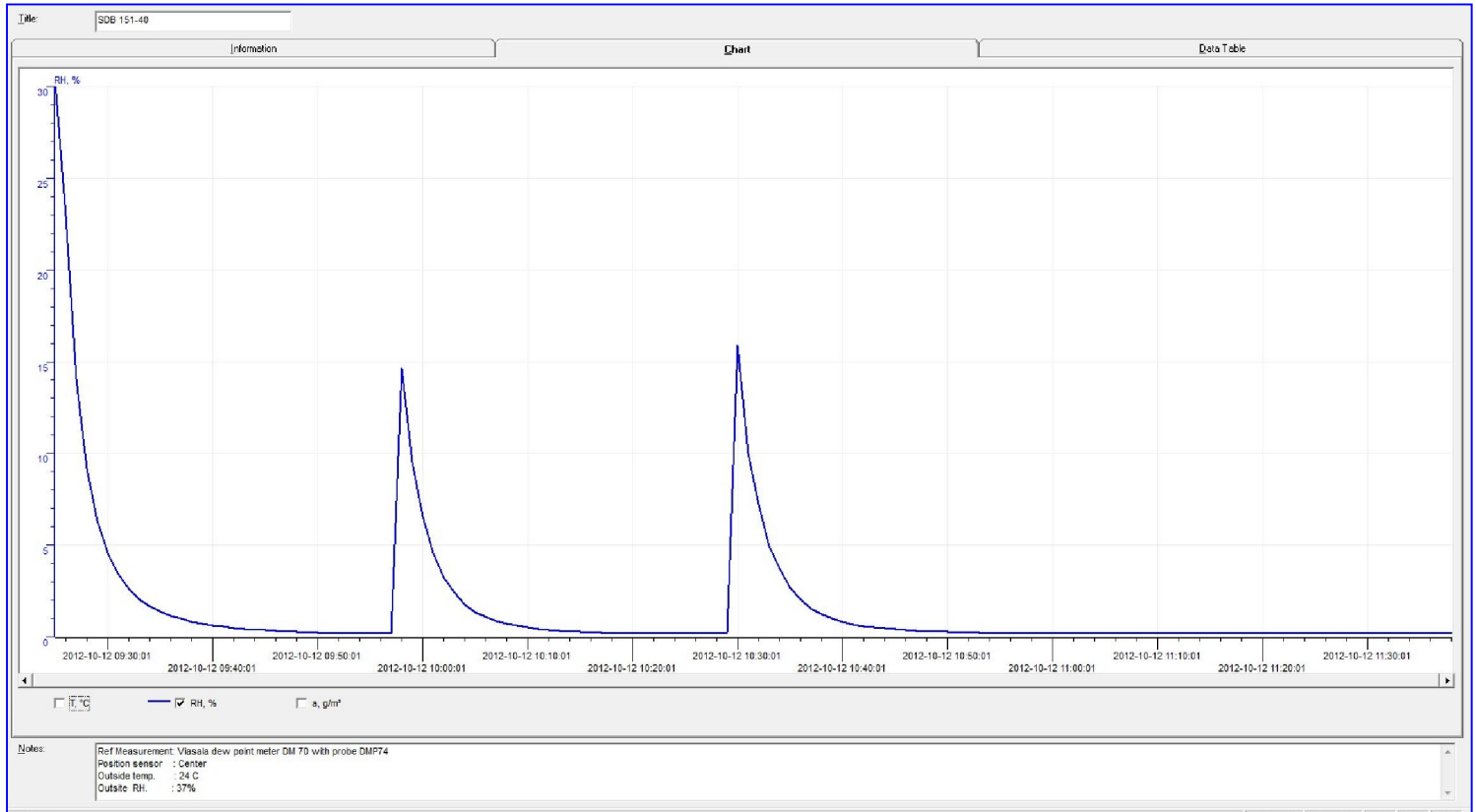
Technical Data Dry Unit U-4001

- 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 conditions



Instrument:
Type of dew point sensor:
Accuracy of dew point sensor:
Location of sensor:
Ambient conditions:
Dooropenings:

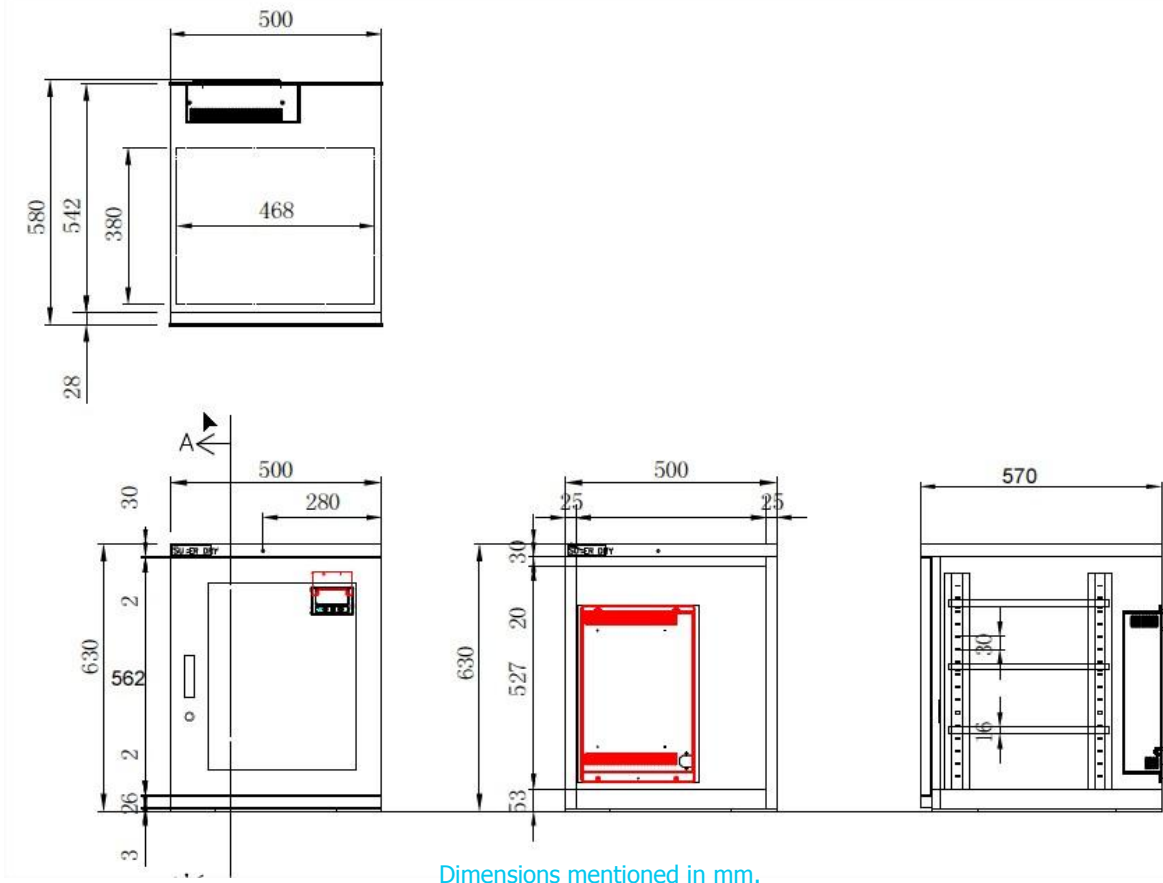
Vaisala.
Vaisala drycap 180M
 $\pm 0,2^{\circ} \text{C}$ at $+ 20^{\circ} \text{C}$ ($+ 68^{\circ} \text{F}$)
In the direct surrounding of cabinet sensor
Humidity $50 \pm 5\% \text{ rH}$, $25^{\circ} \pm 2^{\circ} \text{C}$, Pressure $994 \pm 20 \text{ hPa}$.
2 dooropenings, 15 sec. (average RH 0,70%)





Technical Drawings

SDB 151-40



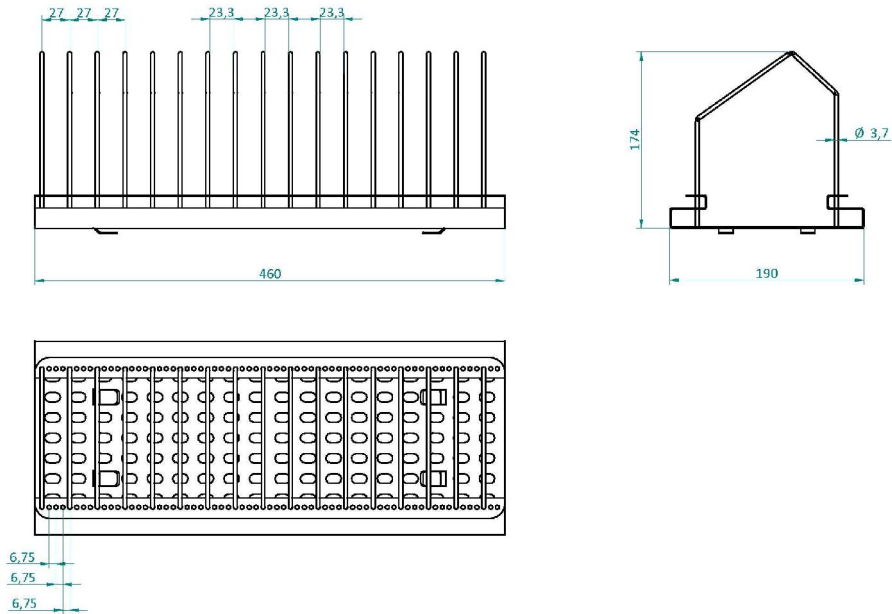
Number of shelves	1	2	3
Distance between shelves if equally divided (mm)		165	103
Remaining space between top shelf and top beam (mm)	295	155	120
Remaining space between bottom shelf and bottom cabinet (mm)	265	175	145
Shelves are adjustable every (mm)	30	30	30
Loading capacity shelves m ² (468 mm x 380 mm)	0,18	0,35	0,53

Measurements can slightly deviate.





Technical Drawings SMD Reel Rack, item number 20014000





Options



SMD Reel Rack,
460 mm length

Item number 20014000

SMD Reel supports – reel support for 20014000

Item number 20014200



Shelf,

Item number 20015101

Brackets 4 pcs, item number 30003010



Humidity calibrator Hygropalm 22,
precision measuring device for calibrating sensors

Set including Hygroclip sensor, case and cable
Item number 20001019

Hygropalm only
Item number 20001016



Rotronic datalogger set,
Including Software HW4-E-V3 and Cable AC3006

Item number 47000580

Item number: 93009413 / version 19-06

