



SDB 151-40



The SDB Series is equipped with a patented U-4001 Drying Unit. It is engineered for medium to long-term constant low humidity storage of 1%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-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 (inside and outside 10^8 Ohm/sq)
3 height adjustable ESD painted steel shelves
U-4001 Dry Unit
ESD wristband can be connected with the cabinet
5 meter cable 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%. (after 1 door opening)
For levelling 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
Max weight on shelf:	30 kg
Max. loading capacity:	100 kg
Body:	Steel, conductive coated $10^8 \Omega/\text{sq}$
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 in cabinet:	Drying 1% RH *

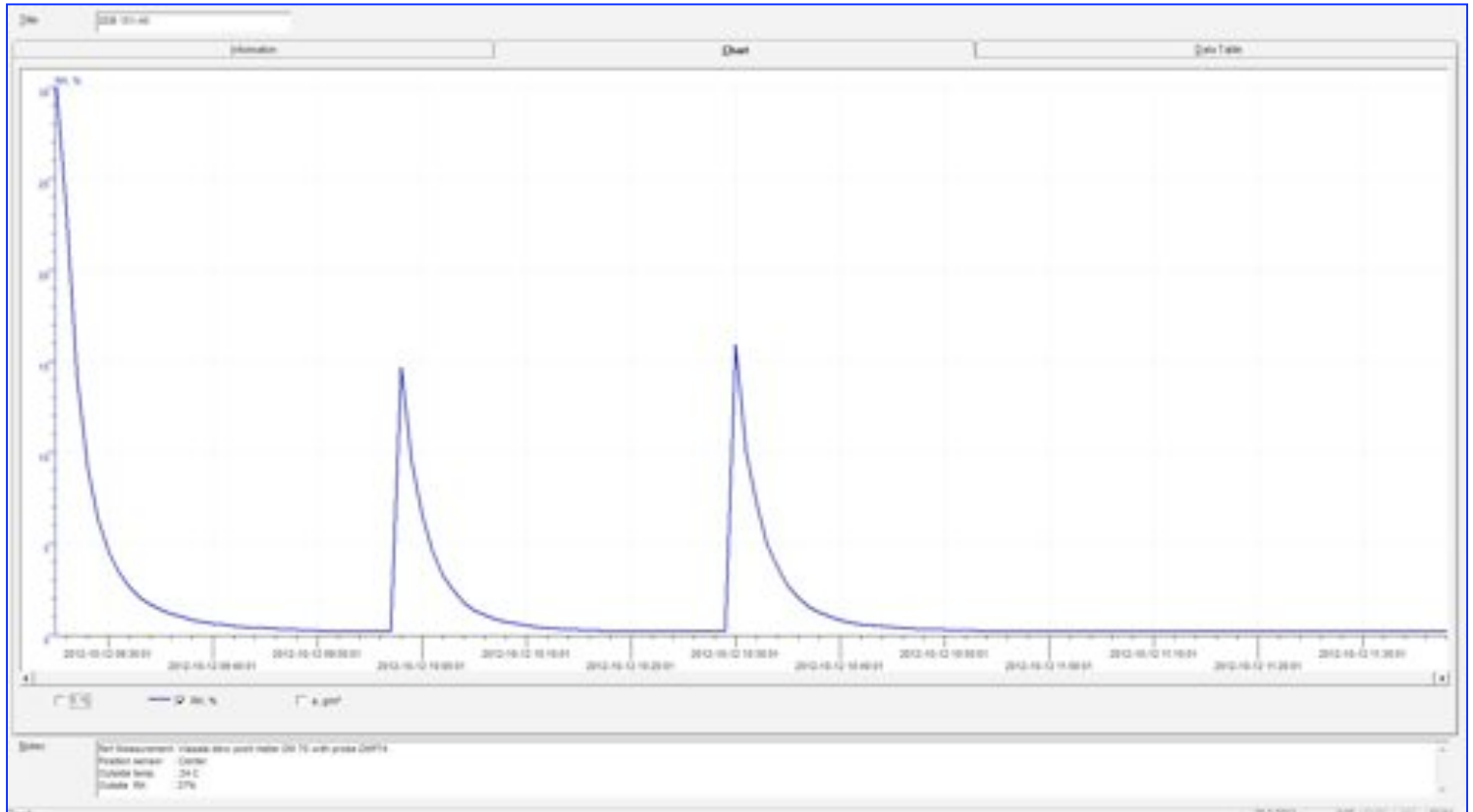
*(depending on number of door openings)

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 conditions



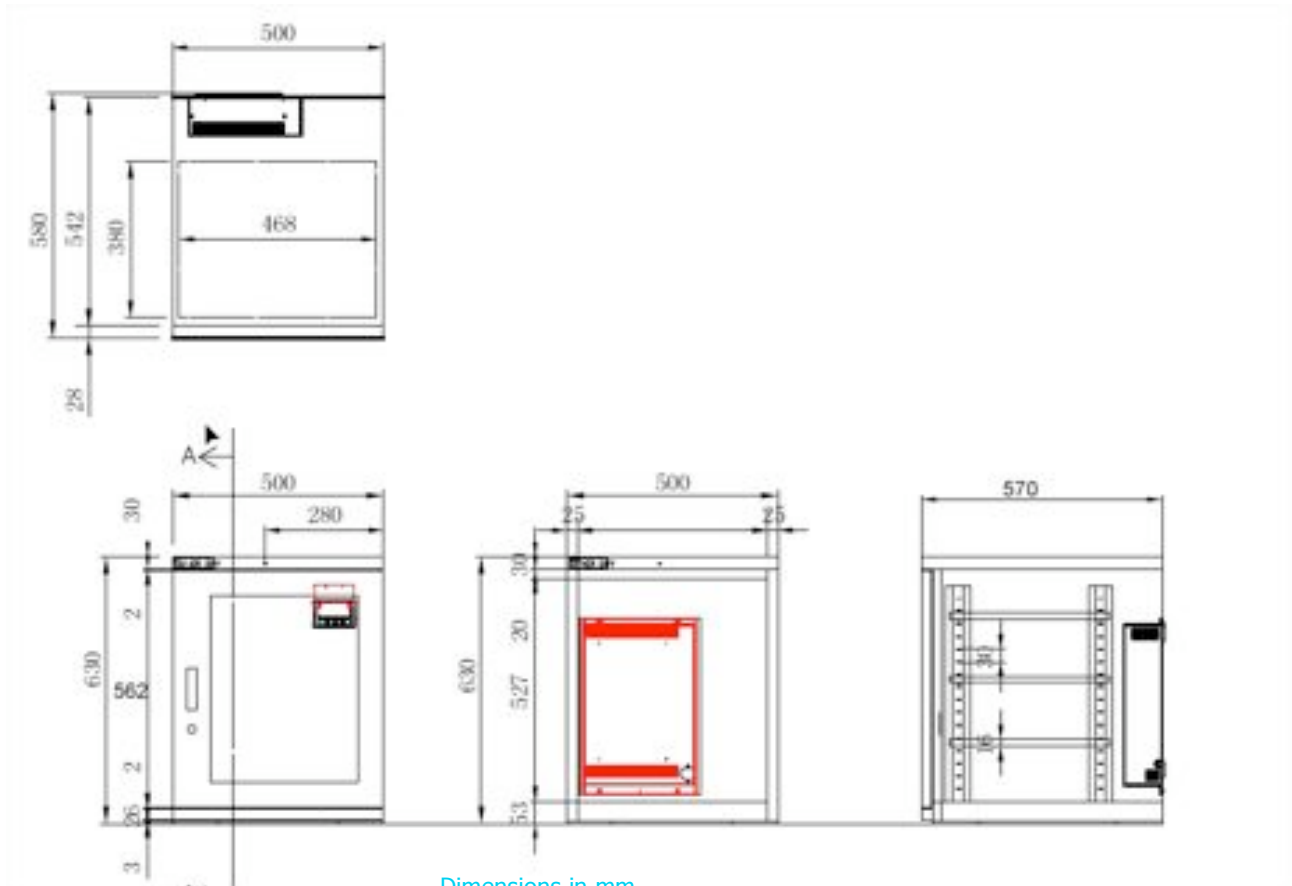
Instrument:
 Type of dew point sensor:
 Accuracy of dew point sensor:
 Location of sensor:
 Ambient conditions:
 Door openings:

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 151-40



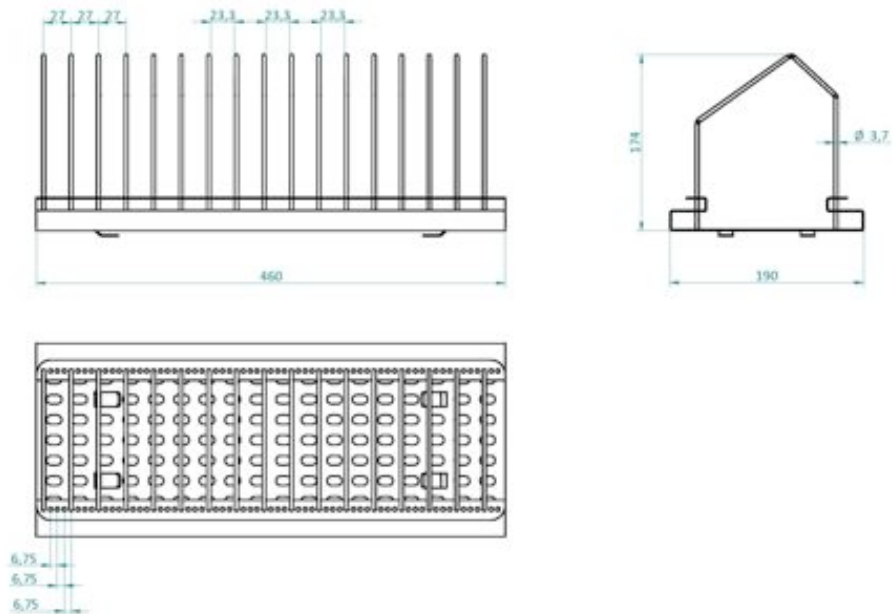
Dimensions in mm.

Number of shelves	1	2	3
Distance between shelves if equally spaced (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



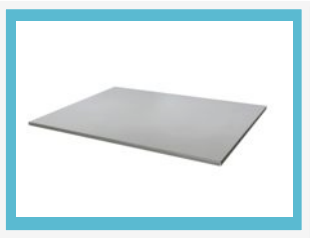
SMD Reel Rack

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 includes Hygroclip sensor, case and cable
Item number 20001019

Hygropalm only
Item number 20001016



Rotronic datalogger set

Including HW4-E-V3 Software and Cable AC3006

Item number 47000580

Item number: 93009413 / version 11-02

