SMART STORAGE & LOGISTICS

SD 502-21



TECHNICAL DATA CABINET

External dimensions:	(W x H x D) 880 x 898 x 740 mm
Internal dimensions:	(W x H x D) 870 x 830 x 702 mm
Weight:	70 kg
Weight on shelf:	50 kg
Max. loading capacity:	Max. 100 kg
Body:	Steel, conductive coated (10^5 - 10^{11} Ω/sq)
Shelves (W x D):	3 pcs, 848 x 640 mm Chrome steel, in a grid of 30 mm heigh adjustable.
Volume:	496 L
Electric supply:	230 V / 50 Hz (120 V / 60 Hz optionally available)
Power consumption:	35 W/h average
Protection class:	Class 1, hard grounded
Humidity level cabinet:	≤2 % RH, depending on amount of door openings.

SD SERIES

The SD series offers a wide range of different cabinet models. Sophisticated design, chrome steel shelves and reliable drying guarantee optimal storage conditions for medium to long term storage.

SERIE 1 DISPLAY

- Nominal value humidity
- Nominal value humidity alarm (light)
- Delay time humidity alarm
- Nominal value temperature
- Door alarm buzzer
- Offset possibilities



STANDARD FEATURES

✓ Sensor	+/- 2% RH, +/- 0,3°C
✓ ESD safe design	Norm (IEC 61340-5-1) ESD metal painted body (10^5 - 10^{11} Ω/sq), Dissipative glazing (in- and outside 10^5 - 10^{11} Ω/sq), one connector for ESD wristband
✓ Lockable doors	2 doors locked with 2 keys included.
✓ Door alarm	Acoustic signal
✓ Drying unit	U-2000 Serie
✓ Stationary unit	Optionally available with ESD castors or with height-adjustable feet
✓ Power supply	Power cord 5 meter with IEC plug

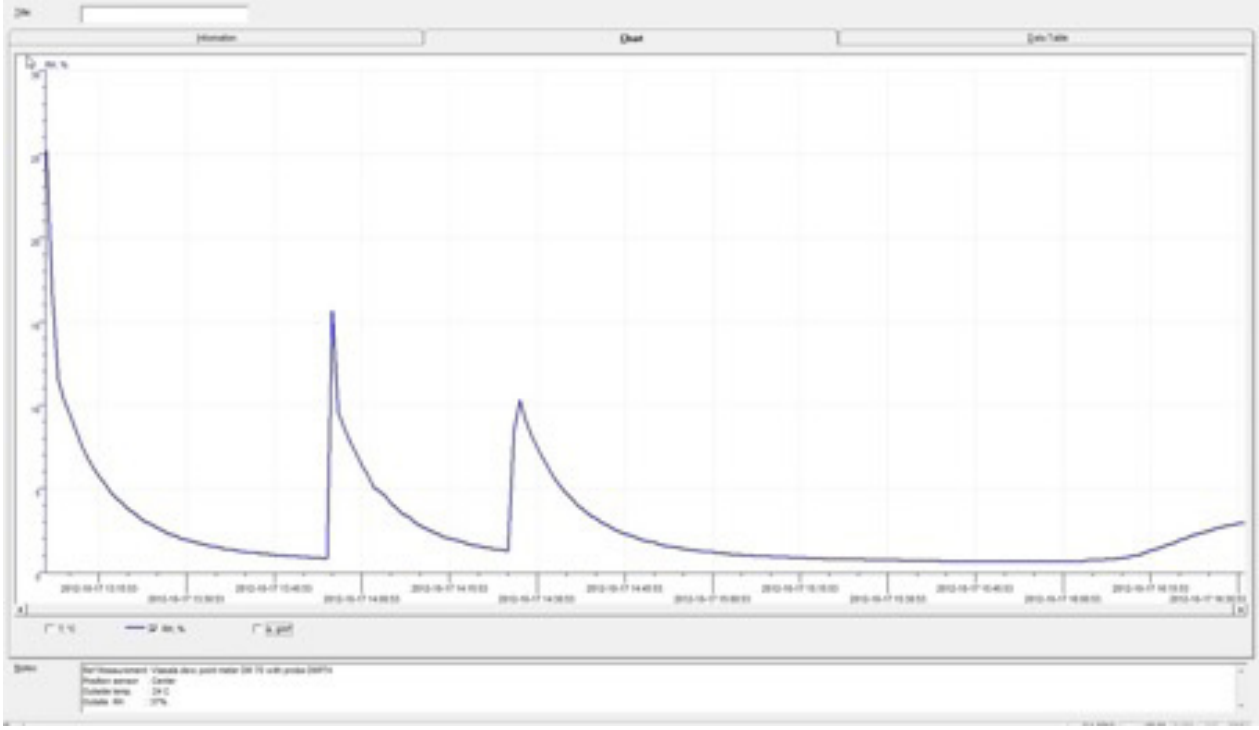
BENEFITS

✓ Recovery time after door opening	<15 minutes until 5% is reached again, (by 1 door opening).
✓ IPC	According to IPC-JEDEC J-STD 033C & IPC-1601
✓ Maintenance	The drying unit is maintenance free, easy to service

TECHNICAL DATA DRY UNIT U-2000

Dimensions	260 × 380 × 100 mm (L × W × H)
Dehumidifying Temperaturer	10 – 50° C
Electric supply:	230V / 50-60 Hz (120V / 60Hz optionally available)
Weight	8,1 kg
Humidity level cabinet	Up to ≤1% RH

PERFORMANCE TEST

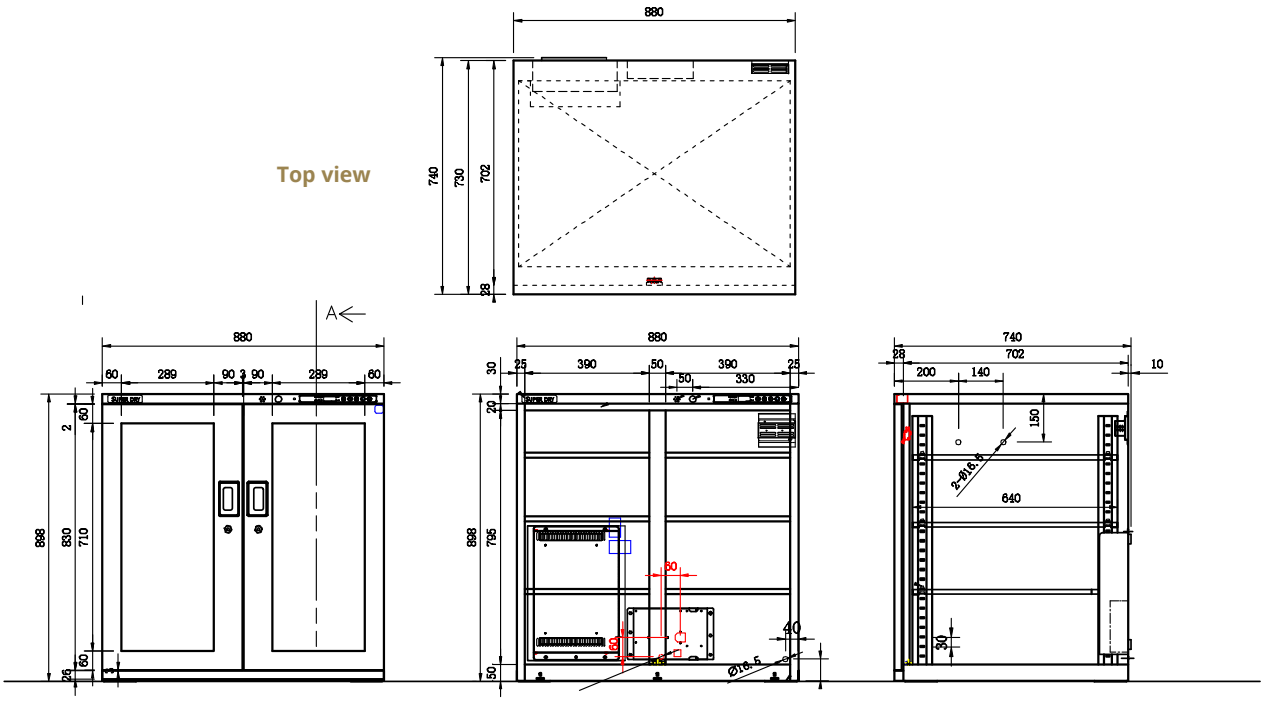


TEST CONDITIONS

Instrument	Vaisala
Type of dew point sensor	Vaisala drycap 180M
Accuracy of dew point sensor	± 0,2° C at + 20° C (+ 68° F)
Location of sensor	In the direct surroundings of the cabinet sensor
Ambient conditions	Hum. 50 ± 5% rH, 22°C ± 2°C, Pressure 994 ± 20 hPa.
Door openings	2 door openings, 15 sec. (average RH 0,70%)

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

TECHNICAL DRAWINGS



Front view | Rear view | Side view

Dimensions in mm

SHELVES

NUMBER OF SHELVES BOTTOM SECTION	1	2	3
Shelves are adjustable every (mm)	30 mm	30 mm	30 mm
Remaining space between top shelf and middle beam	425 mm	275 mm	275 mm
Remaining space between bottom shelf and bottom cabinet	375 mm	255 mm	165 mm
Distance between shelves if equally divided	×	255 mm	165 mm
Loading capacity shelves m2 (830 mm x 640 mm)	0,53 m^2	1,06 m^2	1,59 m^2

Measurements can slightly deviate.

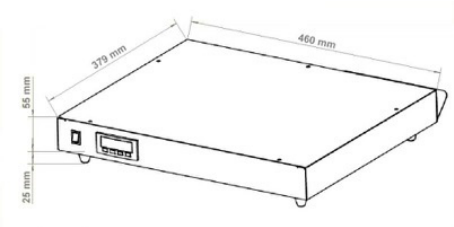
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SD options

ITEM	NUMBER
Heather SH 230-1	21001300
Shelf standard SD-502, ESD-safe, Incl. brackets Chrome steel shelf with drying unit cut-out Custom steel shelf	21050210 21050202
SMD Reel rack with 16 reel supports 460 x 190 mm	20014008
SMD-Reel rack on sliding rails 460 × 190 mm with 16 reel supports	20014100
Double SMD-Reel rack on two sliding rails 2 × 460 × 190 mm with 32 reel supports	20014001
Reel support Additonal reel support for the SMD-Reel rack	20014200
Hygrometer hygropalm 32 High precision measuring tool for calibration of sensors and cabinets.	20001017
SuperDry Data Logger (SDDL) Accurate data logger compatible with Totech Software	47000582
Humidity alarm signal lamp	20016033
N2 Autoflow system	22613001
ESD Castor set SD 151/302/502 & ESDA Cabinets	20017020
Adjustable legs	20010080

Heater SH 230-1

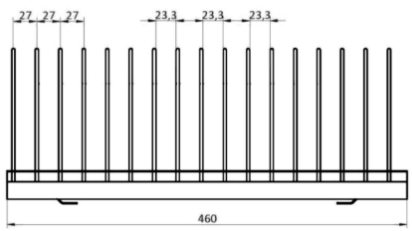
Voltage	230 V / 50 Hz (120 V / 60 Hz optional)
Power	530 W
Temperature sensor	PTC 100
Thermal protection	90 °C
Temperature range	30 - 40 °C
Air flow	86 m³/h
Display tolerance	1 digit at 25 °C



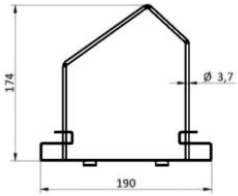
N2 AUTOFLOW SYSTEM

Voltage	90 - 230 V
N^2 Connection	8 mm hose connection
N^2 Pressure	1 - 6 bar
N^2 Crowd on standby	0 - 25 L/min
N^2 Flushing	0 - 100 L/min
Flushing time	0 - 99 min

SMD-Reel rack



Reel support



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