Storage Cabinet

Outstanding performance

The SD Series is equipped with a dynamic drying unit U-2000. Engineered for medium to long-term constant low humidity storage of ≤2% RH.

Humidity, temperature, alarm functions are shown and can be adjusted on a digital display.

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

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

The SD 702-21 is ideal for the moisture-proof and anti-oxidation storage of wide-ranging technologies and conforms with IPC/JEDEC J-STD 033C & IPC-1601.

Standard Features

✓	**Accuracy of sensor RH% & T°C**	+/- 3% RH, +/- 0,3°C
✓	**ESD safe design**	Norm (IEC 61340-5-1) ESD metal painted body (<10^6 Ohm/sq) Dissipative glazing (in- and outside 10^8 Ohm/sq)
✓	**Door alarm buzzer**	Longer door openings are detected
✓	**Lockable doors**	2 doors locked with key
✓	**Shelves**	In height adjustable chrome steel shelves (5 pcs)
✓	**1 series digital display**	Very convenient settings of RH%, temperature, alarm and calibration functions.
✓	**Drying unit**	U-2000 drying unit
✓	**ESD bonding point**	ESD wristband can be connected to the cabinet
✓	**Pre mounted holes**	For nitrogen unit & heater
✓	**Power supply**	Power cord 5 meter with IEC plug

Benefits

✓	**Data logging**	Through network with software and optional hardware
✓	**Recovery time after door opening**	<30 minutes to below 2% (by 1 door opening)
✓	**Highly energy efficient**	Average power consumption 35 W/h.
✓	**Option availability**	N_2 auto flow, heating, SMD reel racks, etc.
✓	**IPC**	According to IPC-JEDEC J-STD 033C & IPC-1601
✓	**Temperature**	Maximal up to 40°C (optional)
✓	**Maintenance**	The drying unit is maintenance free, easy to service

Technical data cabinet

- ✓ External dimensions: (W x H x D) 620 x 1675 x 768 mm
- ✓ Internal dimensions: (W x H x D) 610 x 1533 x 735 mm
- ✓ Weight: 152 kg
- ✓ Weight on shelf: 100 kg
- ✓ Max. loading capacity: 300 kg
- ✓ Body: Steel, conductive coated 10^7 Ω/sq
- ✓ Shelves (WxD): 5 pcs, 577 x 580 mm adjustable.
- ✓ Volume: 680 L
- ✓ Electric supply: 230 VAC (120 VAC optional)
- ✓ Power consumption: Average 35 W/h (excl. heating)
- ✓ Protection class: Class 1, hard grounded
- ✓ Humidity level cabinet: ≤2% RH depending on amount of door openings

Technical data type 1 display

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

Technical data dry-unit U-2000 series

- ✓ Control: Adjustable with control panel type 1
- ✓ Dehumidifying Temperature: 10 – 40° C
- ✓ Electric supply: 230 VAC (120 VAC optional)
- ✓ Dimensions (L x B x H): 260 x 380 x 100 mm
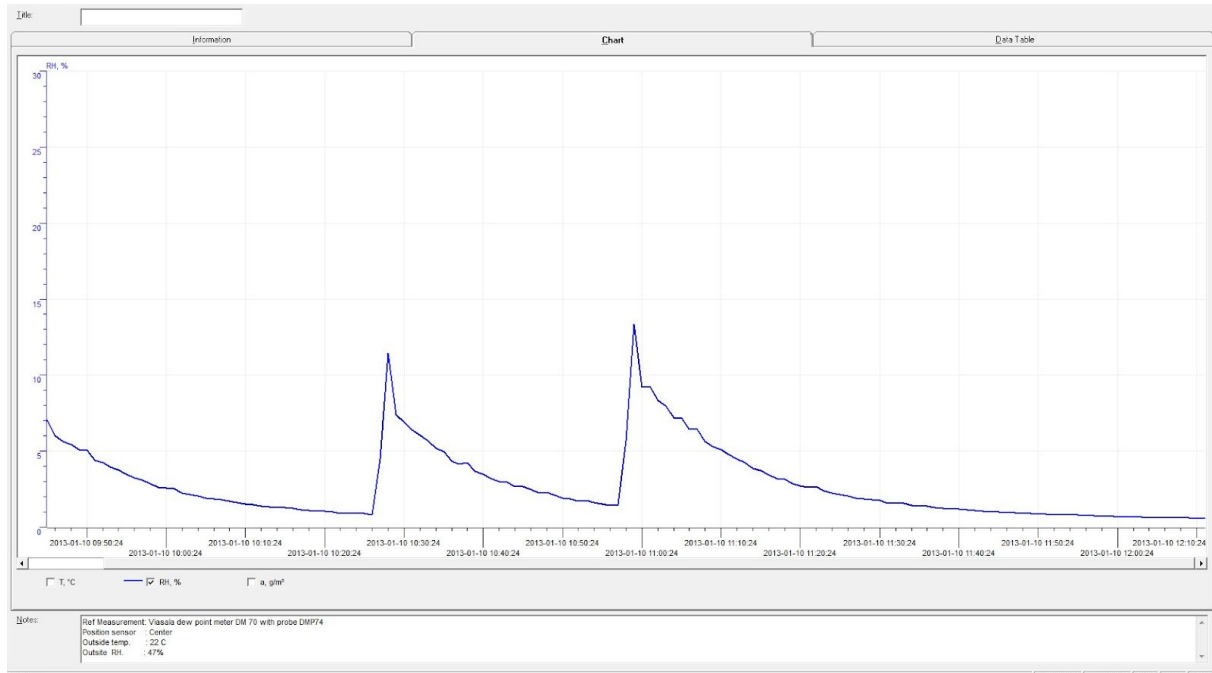- ✓ Weight: 8,1 kg

Technical data heater SH 230-1

- ✓ Voltage: 230 VAC / 50 Hz (120 VAC / 60 Hz optional)
- ✓ Power: 530 W
- ✓ Temperature sensor: PTC 100
- ✓ Thermal protection: 90 °C
- ✓ Temperature range: 30 - 40 °C
- ✓ Air flow: 86 m^3/h
- ✓ Display tolerance: 1 digit at 25 °C

Technical data N^2 (Auto) Flow

- ✓ Power supply: 90 - 230 VAC
- ✓ N^2 connection: 8mm hose connection
- ✓ N^2 pressure: 1 - 6 bar
- ✓ N^2 standby amount: 0 - 25 L/min
- ✓ N^2 purge: 0 - 25 L/min
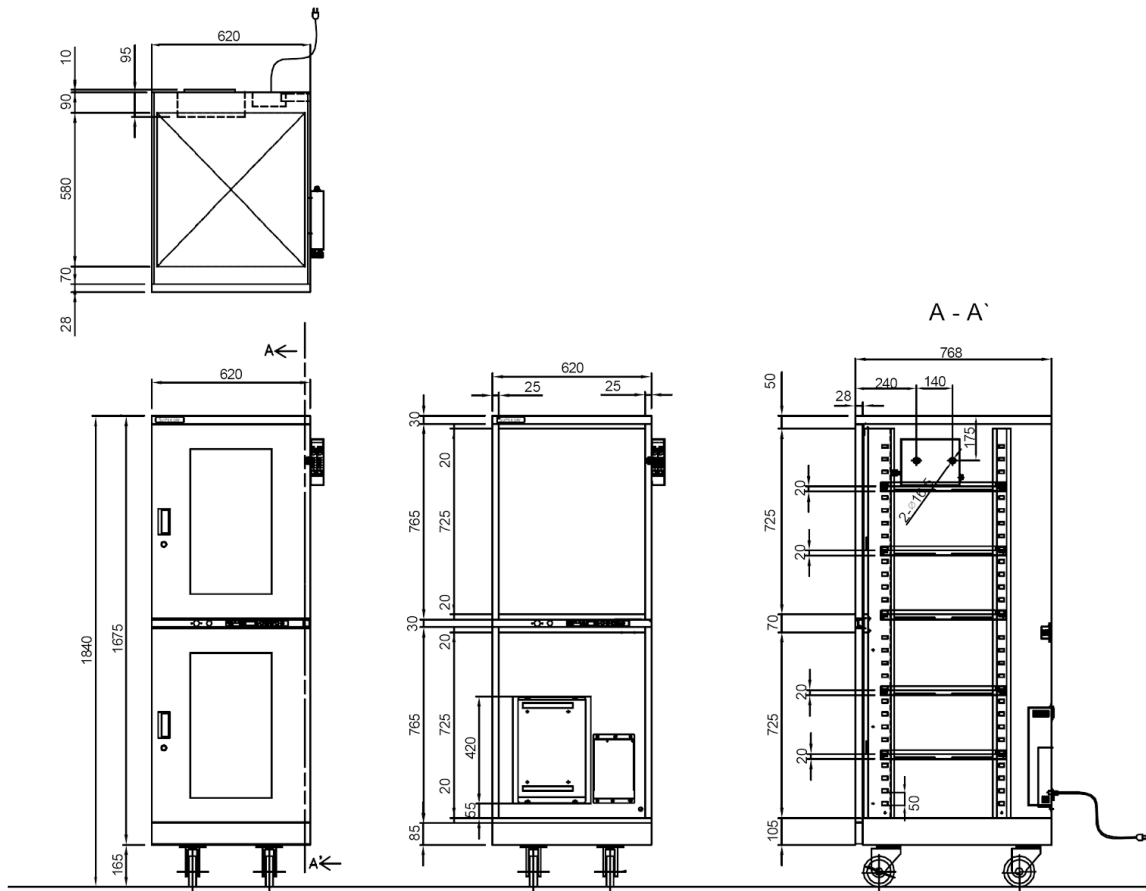- ✓ Purge time: 0 - 99 min

Performance test

Notes: Ref Measurement: Vaisala dew point meter DM 70 with probe DMP74
Position sensor : Center
Outside temp. : 22 C
Outside RH. : 47%

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.

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

Technical drawings

Dimensions mentioned in mm.

Shelves

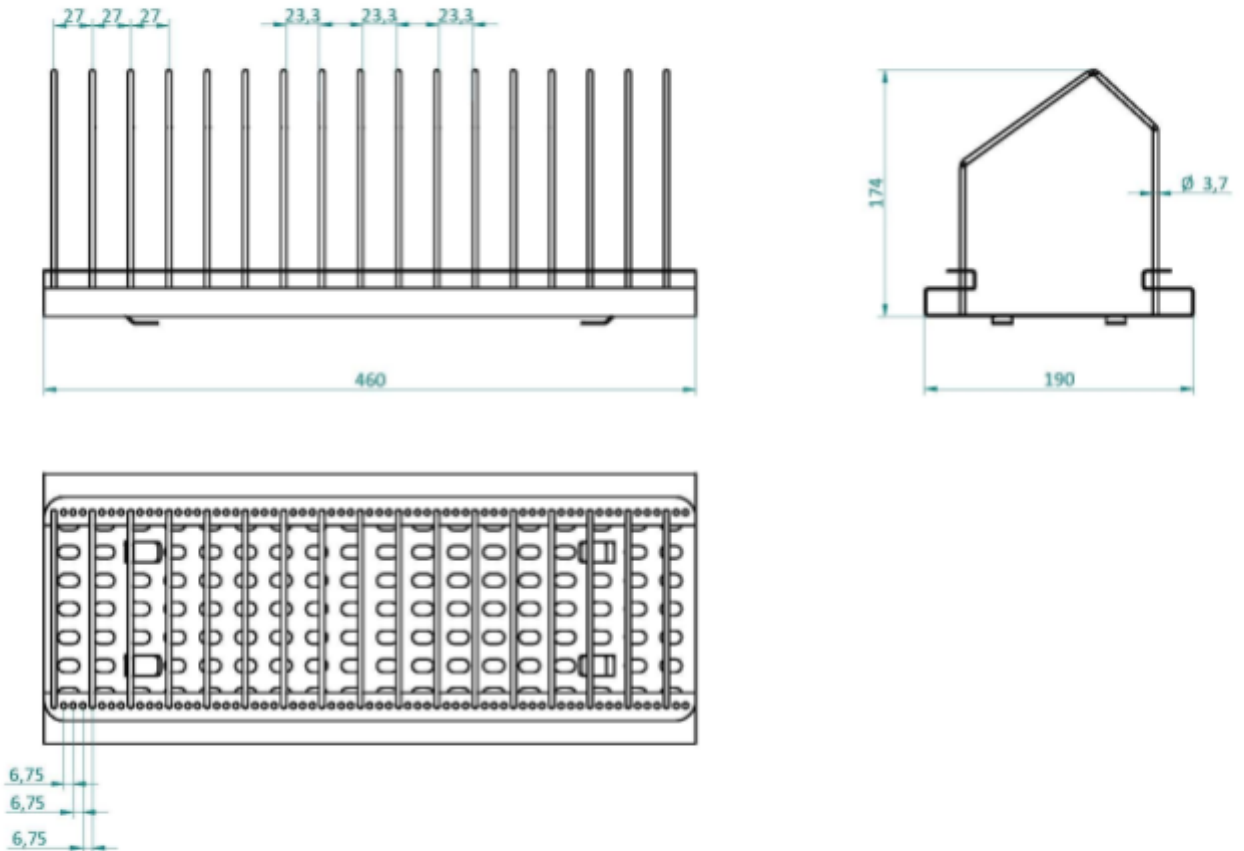| Number of shelves bottom section	2	3	4	5
Distance (in mm) between shelves if equally divided in bottom section	350	230	175	125
Remaining space between top shelf and middle beam	370	225	125	120
Remaining space between bottom shelf and bottom cabinet	330	230	180	125
Loading capacity shelves m² (1155 mm x 780 mm)	0.67	1.00	1.33	1.67

Number of shelves top section	2	3	4	5
Distance (in mm) between shelves if equally divided (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 m² (1155 mm x 780 mm)	0.67	1.00	1.33	1.67

Measurements can slightly deviate.

Technical drawings

Totech Europe BV
Paxtonstraat 11
8013 RP Zwolle
www.superdry-totech.com

Phone: +31 (0) 38 203 1051
Fax: +31 (0) 38 2203 1052
K.v.K: 390 86417
e-mail: sales@superdry-totech.com

V.A.T.: NL813341887B01
IBAN: NL83RABO0145683443
BIC: RABONL2U
Bank: Rabobank Flevoland

Options

SMD Reel rack with reel supports
460 mm length.

Item number 20014000

Reel support
Additional reel supports for 20014000.

Item number 20014200

Humidity alarm signal lamp
One color (orange or red), magnetically fixed, providing optical signals on operational states and exceeded limit values. Operates on 24V.
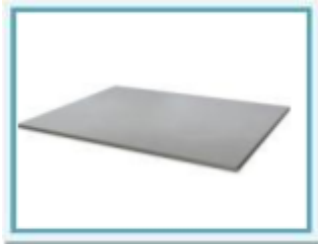
Item number 20016033

N^2 Autoflow system
The autoflow 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 after the doors have been opened. The drying process is realised by using Nitrogen (N^2), which is purged automatically after the doors are closed. (timer controlled)
Item number 22613001

SD 702-21

A Member of the ASYS Group

Options

Shelf standard
Chrome steel shelf, short:
Item number 20070201

Chrome steel shelf, long:
Item number 20070200

Set main spare parts SD cabinet
Set includes the main spareparts of the SD cabinet: Dry-unit U-2000, Main PCB and Power Supply
Item number 30006099

Exchange set main spare parts SD cabinet:
Item number 30006096

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

Item number 47000582

Adjustable legs
4 in height adjustable legs (63-80mm)

Item number 20010010

Totech Europe BV
Paxtonstraat 11
8013 RP Zwolle
www.superdry-totech.com

Phone: +31 (0) 38 203 1051
Fax: +31 (0) 38 2203 1052
K.v.K: 390 86417
e-mail: sales@superdry-totech.com

V.A.T.: NL813341887B01
IBAN: NL83RABO0145683443
BIC: RABONL2U
Bank: Rabobank Flevoland