



ESDA-804-21



The ESDA Series is engineered for medium to long-term constant low humidity storage of 1%RH. It is equipped with a patented U 2000 Drying Unit.

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

The circulation of air in the cabinet is regulated by an internal fan.

Proven in use around the world, the unique design of the ESDA-402 is highly energy efficient, representing a significant cost advantage to our customers.

The ESDA version is ESD safe. The surfaces of the cabinet are not chargeable. Acrylic body $10^7 \Omega/\text{sq}$.

The SD-151-21 is ideal for the moisture-proof and anti-oxidation storage of wide-ranging technologies and conforms with IPC/JEDEC J- Std 033C.



Features

Accuracy of sensor RH% & T°C

Lockable doors

ESD safe design

Shelves

Door alarm

Drying unit

ESD bonding point

21 series digital panel

Pre mounted holes

Transport

+/- 3%, +/- 1 °C

4 doors locked with key

The surfaces of the cabinet are ESD safe. Acrylic body $10^{-7} \Omega/\text{sq}$.
10 height adjustable chromium plated steel shelves connected with
conductive frame $10^3 \Omega/\text{sq}$.

Every door is equipped with a switch which triggers the humidity or
door alarm if the preset value is exceeded.

U 2000 Drying Unit

ESD wristband can be connected with the cabinet

Very convenient settings of RH%, temperature, alarm and
calibration functions.

For nitrogen unit

Cabinet equipped with ESD castors.

Benefits

Options availability

Maintenance

Highly energy sufficient

Recovery time after door opening

Datalogging

Clear Polycarbonate material

IPC

N2 (Auto) Flow, SMD reel racks, etc.

The cabinet is maintenance free

Average power consumption 35 W/h

<45 min.

With Rotronic datalogger

Transparent and easy to see contents

According to IPC-Jstd 033C



h Europe BV
De Linde 28
NL-8253 PJ Dronten
www.totech.eu.com

Phone: +31 (0) 321 330239
Fax: +31 (0) 321 330254
K.v.K: Lelystad 390 86417
E-Mail: info@totech.eu.com

V.A.T.: NL813341887B01
IBAN :NL83Rabo0145683443
B.I.C./Swift: RaboNL2U
Bank: 1456.83.443



Technical Data Cabinet

External dimensions:	(W x H x D) 1152 x 1485(1690) x 517 mm
Internal dimensions:	(W x H x D) 1120 x 1480 x 480 mm
Weight:	88 kg
Weight on shelf:	30 kg
Max. loading capacity:	200 kg
Frame:	Aluminium
Body:	ESD-Polycarbonate
Shelves (W x D):	9 long 460 x 490 mm adjustable, 1 short 460 x 380 mm adjustable
Volume:	786 L
Voltage:	230 V, 50 Hz 120 V, 60 Hz (optional)
Power consumption:	35 W/h
Grounding:	Class 1, hard grounded
RH%:	Drying 1 - 2%*

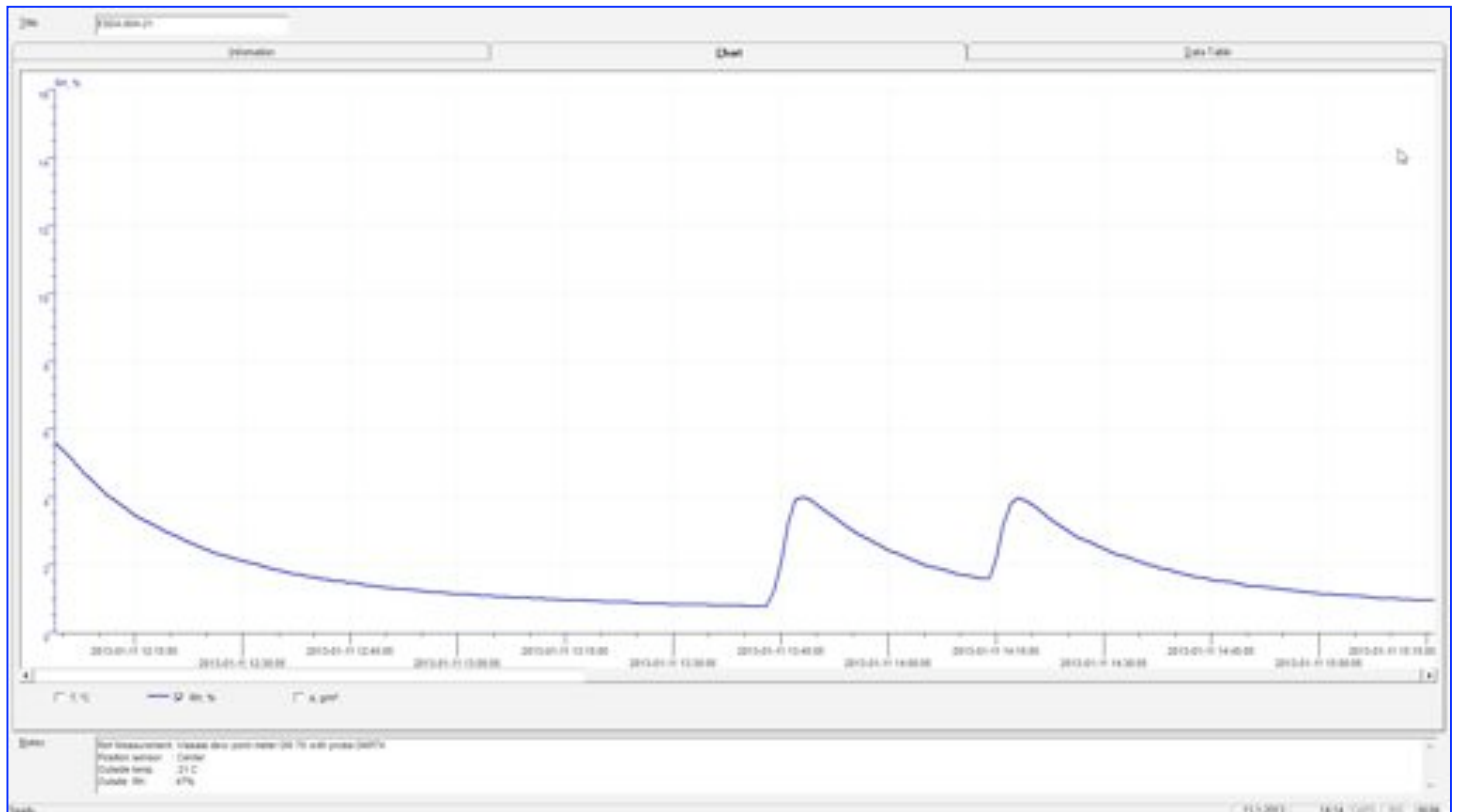
*(depending on number of door openings)

Technical Data N² Auto Flow

N ² Auto Flow:	N ² connection pressure:	1 – 6 bar
	N ² Standby- quantity:	0 – 25 L/min
	N ² (Purge):	0 – 25 L/min
	(Purge-Time):	0 – 99 min



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 Dimensions

ESDA 804-21



Dimensions in mm.

Maximum number of shelves that can be mount in the cabinet	37 long shelves, 7 short shelves
Minimum space between the shelves	35 mm



Options



N2 Auto Flow System

The Auto Flow System is developed for 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 realized by using nitrogen (N²), which is added automatically after the doors have been closed (by means of adjustable timer function)

Item number 22613001



SMD reel holders,

460 mm length and mountable on shelf.

Item number 20014000

SMD reel supports

Reel support for 2001400

Item number 20014200



Rotronic datalogger set

Including HW4-E-V3 Software and Cable AC3006

Item number 47000580



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



Shelf ESDA-804 - short incl. brackets,

Item number 30010100



Shelf ESDA-804 - long incl. brackets,

Item number 20100021





Totech Europe BV
De Linge 28
NL-8253 PJ Dronten
www.totech.eu.com

Phone: +31 (0) 321 330239
Fax: +31 (0) 321 330254
K.v.K: Lelystad 390 86417
E-Mail: info@totech.eu.com

V.A.T.: NL813341887B01
IBAN :NL83Rabo0145683443
B.I.C./Swift: RaboNL2U
Bank: 1456.83.443

