

**I-TRONIK** ESDA-402-21

The ESDA Series is equipped with a patented drying unit U 2000. Engineered for medium to long-term constant low humidity storage of 1%RH.

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

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

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

The ESDA version is produced 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.

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IBAN :NL83Rabo0145683443
B.I.C./Swift: RaboNL2U
Bank: 1456.83.443



Features

- Accuracy of sensor RH% & T°C
- Lockable doors
- ESD safe design
- Shelves
- Door alarm
- Drying unit
- ESD bonding point
- 21 serie digital panel
- Pre mounted holes
- Transport
- Power supply
- +/- 3%, +/- 1 °C
- 2 doors locked with key.
- The surfaces of the cabinet are not chargeable. Acrylic body $10^7 \Omega/\text{sq}$.
- 5 in height adjustable chromium plated steel shelves connected with conductive frame $10^3 \Omega/\text{sq}$.
- Every door is equipt 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 funtions.
- For nitrogen unit
- Cabinet equiped with ESD castors.
- Cable 5 meter with IEC plug

Benefits

- Options availability
- Maintenance
- Highly energy sufficient
- Recoverytime after dooropening
- 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
- easy to look through
- According to IPC-Jstd 033C



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Technical Data Cabinet

- External dimensions: (WxHxD) 574 x 1485(1690) x 517 mm
- Internal dimensions: (WxHxD) 560 x 1480 x 480 mm
- Weight: 60 kg
- Weight on shelf: 30 kg
- Max. loading capacity: 100 kg
- Frame: Aluminium ESD coated
- Body: ESD-Polycarbonate
- Shelves (WxD): 4 pcs long 460 x 490 mm adjustable, 1 pc short 460 x 380 mm adjustable
- Volume: 386 L
- Voltage: 230 V, 50 Hz
120 V, 60 Hz (optional)
- Power consumption: 35W/h
- Grounding: class 1, hard grounded
- RH%: Drying 1 - 2%*

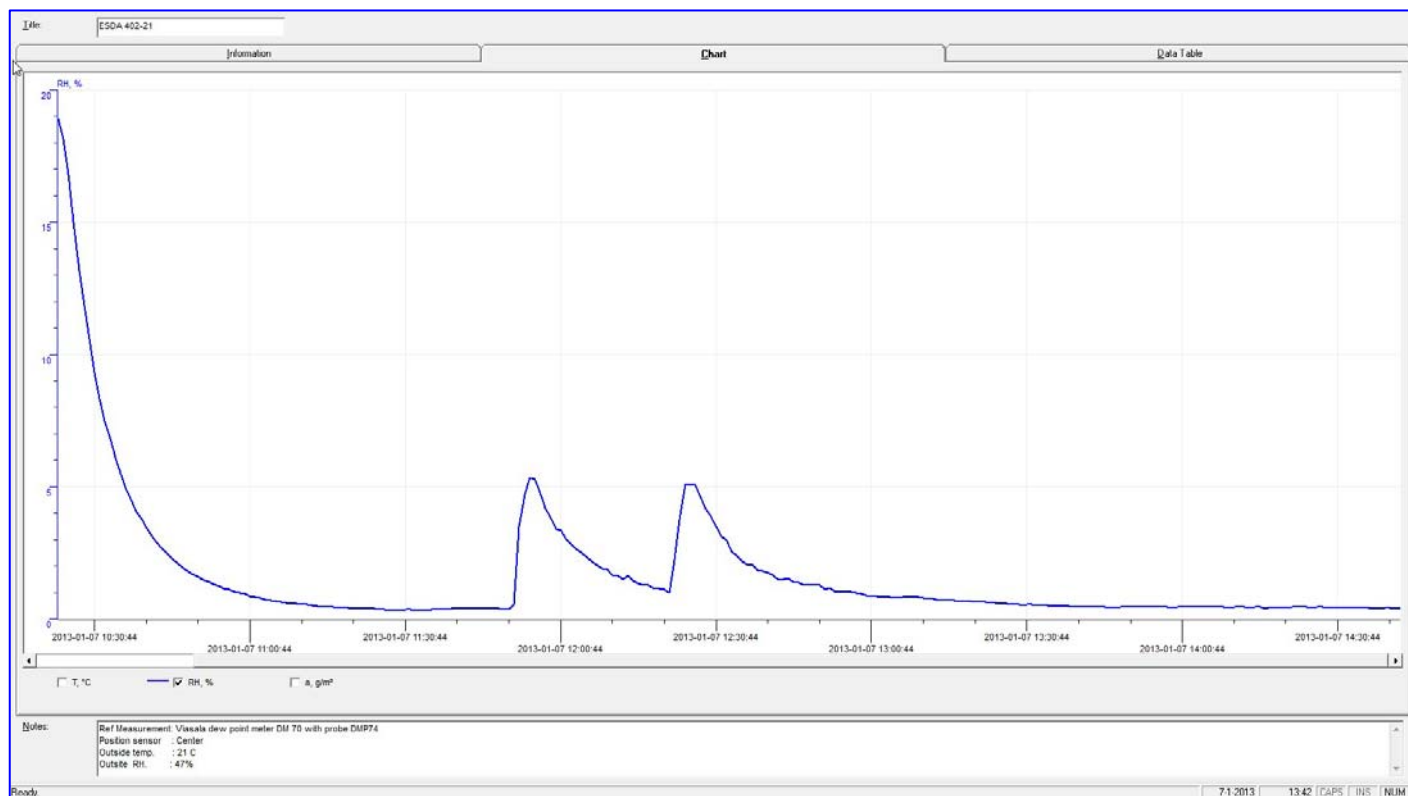
*(depending on amount of dooropenings)

Technical Data N² Auto Flow

N ² autoflow:	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:

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%)



Options



N2 auto flow system,

The Auto-Flow-System is developed to use in combination with a Totech drying cabinet. The appliance is used for the quick removal of moisture in the cabinet after the doors has been opened .The drying process is realized by using nitrogen (N²), which is add automatically after the doors have been closed. (timer controlled)

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 Software HW4-E-V3 and Cable AC3006

Item number 47000580



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



Shelf ESDA-402 short incl. Brackets,

Item number 30010100



Shelf ESDA-402 long incl. Brackets,

Item number 20100021

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