

## ESDA 201-00



### Acrylic cabinet



Our ESDA Series is suitable for storage under controlled atmosphere. This can be achieved through a nitrogen unit and / or installation of our state-of-the-art U-4001 drying unit. The cabinet is delivered without a control panel.

Proven in use around the world, the unique design of the ESDA 201 with optional drying unit U-4001 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  $10^{-7} \Omega/\text{sq}$ .



#### 0 series display

Battery operated humidity measurement device (standard in cabinet)



## ESDA 201-00

### Standard Features

✓ <b>Hygrometer</b>	Hygrometer with alarm function, accuracy +/- 3%
✓ <b>ESD safe design</b>	Norm (IEC 61340-5-1) Acrylic body (<math>10^{-7}</math> Ohm/sq) Dissipative glazing (in- and outside $10^8$ Ohm/sq)
✓ <b>Lockable door</b>	1 door locked with key
✓ <b>Shelves</b>	In height adjustable chromium plated steel shelves (2 pcs)
✓ <b>Drying unit option</b>	Pre mounted hole for installing drying unit and N <sup>2</sup> flow system
✓ <b>Transport</b>	Optional trolley available
✓ <b>Power supply</b>	Power cord 5 meter with IEC plug (when drying unit is mounted)

### Benefits

✓ <b>Recovery time after door opening</b>	<15 minutes to below 1% (when dry unit is mounted)
✓ <b>Highly energy efficient</b>	Average power consumption 24 W/h (when drying unit is mounted)
✓ <b>Options availability</b>	Dry unit U-4001 / N <sub>2</sub> (auto) Flow / SMD Reel racks, etc.
✓ <b>Clear Polycarbonate material</b>	Easy to look through

## Technical data cabinet with drying unit U-4001

- ✓ External dimensions: (W x H x D) 574 x 750(795) x 517 mm
- ✓ Internal dimensions: (W x H x D) 560 x 730 x 480 mm
- ✓ Weight: 31,5 kg
- ✓ Weight on shelf: 30 kg
- ✓ Max. loading capacity: 60 kg
- ✓ Frame: Aluminium, coated
- ✓ Body: ESD-Polycarbonate  $10^7 \Omega/\text{sq}$
- ✓ Shelves (WxD): 1 pcs long, 460 x 490 mm adjustable  
1 pcs short, 460 x 380 mm adjustable
- ✓ Volume: 186 L (due to volume of drying unit)
- ✓ Electric supply: 230 VAC (120 VAC optional)
- ✓ Power consumption: Average 24 W/h
- ✓ Protection class: Class 1, hard grounded
- ✓ Humidity level cabinet:  $\leq 2\%$  RH depending on amount of door openings

## Technical data cabinet without drying unit

- ✓ External dimensions: (W x H x D) 574 x 750(795) x 517 mm
- ✓ Internal dimensions: (W x H x D) 560 x 730 x 480 mm
- ✓ Weight: 23 kg
- ✓ Weight on shelf: 30 kg
- ✓ Max. loading capacity: 60 kg
- ✓ Frame: Aluminium, coated
- ✓ Body: ESD-Polycarbonate  $10^7 \Omega/\text{sq}$
- ✓ Shelves (WxD): 2 pcs long, 460 x 490 mm adjustable
- ✓ Volume: 196 L

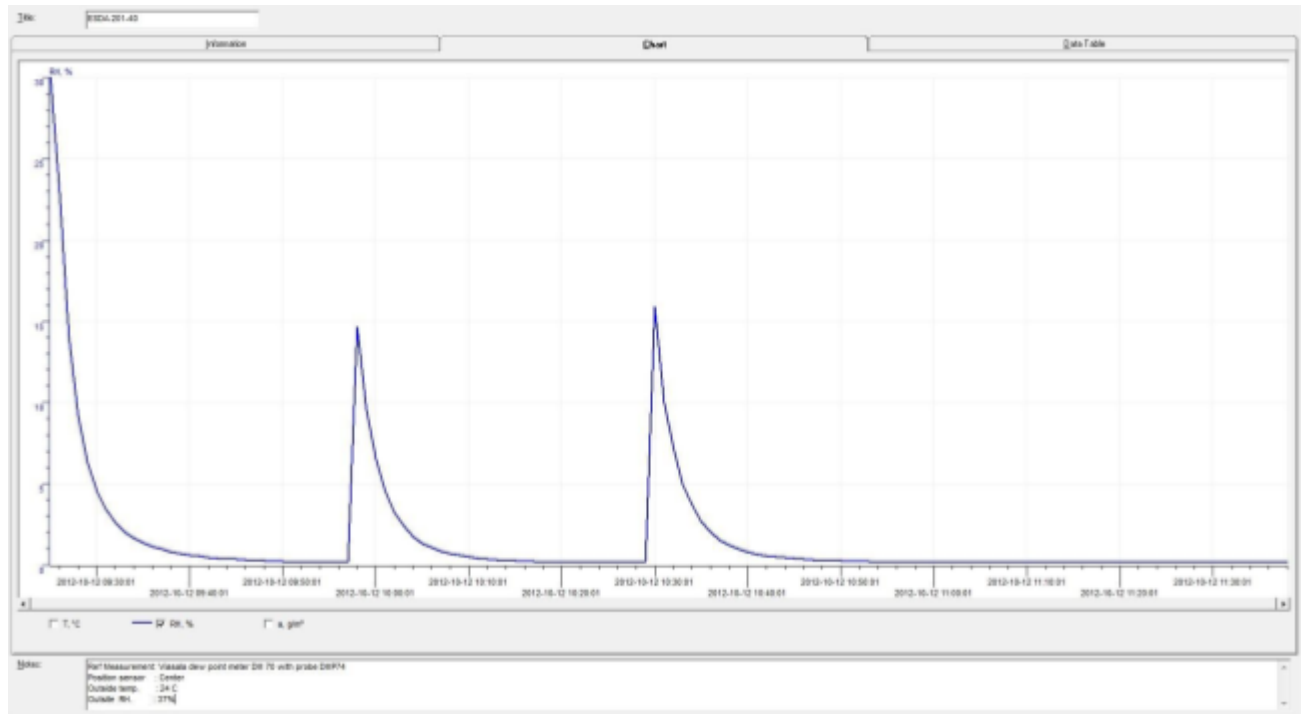
## Technical data dry-unit U-4000 series

- ✓ Control: Standalone drying unit (no control function)
- ✓ Dehumidifying Temperature: 10 – 40° C
- ✓ Electric supply: 230VAC 50Hz (120VAC 60Hz optional)
- ✓ Dimensions (L x B x H): 260 x 380 x 100 mm
- ✓ Weight: 8,1 kg
- ✓ Power consumption: 24 W/h

## Technical data N<sup>2</sup> Flow

- ✓ N<sup>2</sup> connection: 8mm hose connection
- ✓ N<sup>2</sup> pressure: 1 - 6 bar
- ✓ N<sup>2</sup> standby amount: 0 - 25 L/min

## Performance test

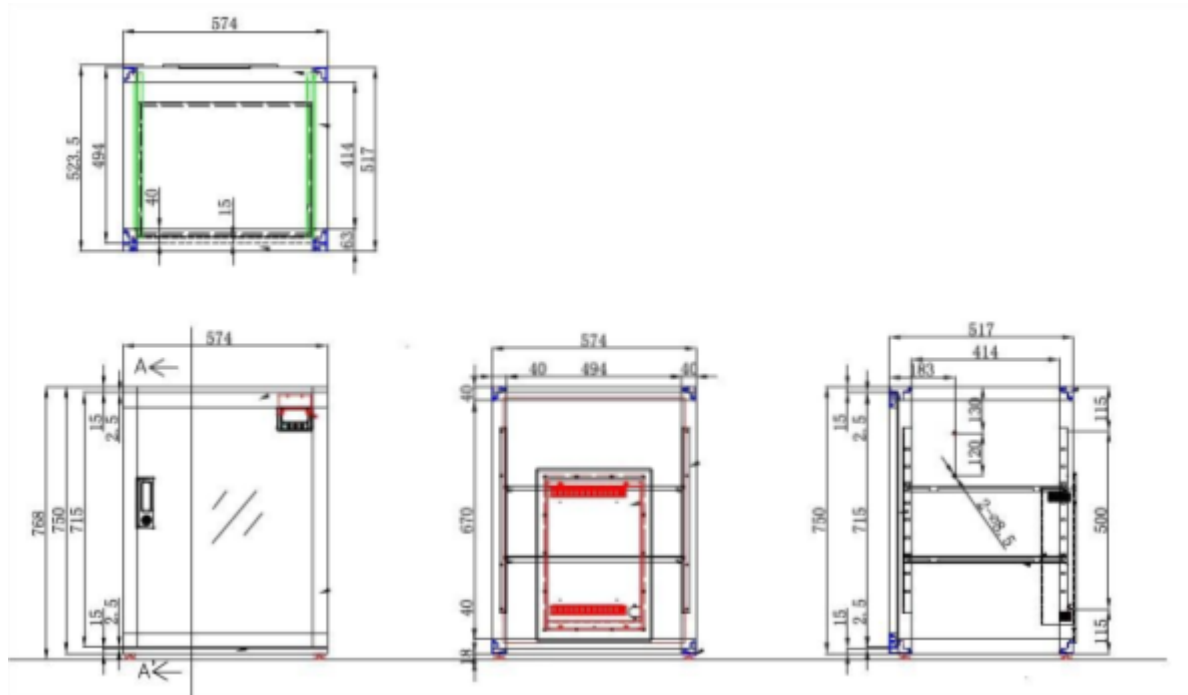


## Test conditions

- ✓ Instrument: Vaisala
- ✓ Type of dew point sensor: Vaisala drycap 180M
- ✓ Accuracy of dew point sensor:  $\pm 0,2^{\circ} \text{C}$  at  $+ 20^{\circ} \text{C}$  ( $+ 68^{\circ} \text{F}$ )
- ✓ Location of sensor: In the direct surroundings of the cabinet sensor
- ✓ Ambient conditions: Hum.  $50 \pm 5\% \text{ rH}$ ,  $22^{\circ}\text{C} \pm 2^{\circ}\text{C}$ , Pressure  $994 \pm 20 \text{ hPa}$
- ✓ Door openings: 2 door openings, 15 sec. (average RH 0,70%)

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

## Technical drawings



Dimensions mentioned in mm.

## ESDA 201-00

### Options



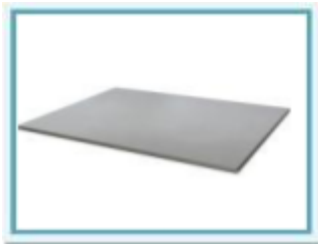
**SMD Reel rack with reel supports**  
460 mm length.

*Item number 20014000*



**Reel support**  
Additional reel supports for 20014000.

*Item number 20014200*



**Shelf standard**  
For cabinets type ESDA 201 & 402

Standard:  
*Item number 20100021*  
Short, when drying unit is mounted:  
*Item number 30010100*



**N<sup>2</sup> Flow system**  
The N<sup>2</sup> Flow 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. The drying process is realized by using nitrogen. Adjustable 10 - 100 L/min.

*Item number 20010020*



**Trolley**  
For easy transportation of the cabinet, 1 meter high

Only on request

## ESDA 201-00

### Options



#### Dry unit U-4001

*Item number 230V/50Hz 30021129*  
*Item number 120V/60Hz 30021131*



#### Rotronic datalogger set

Including HW4-E software 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*

V17.11