SMART STORAGE & LOGISTICS

ESDA 402-21



TECHNICAL DATA

External dimensions:	(W x H x D) 574 × 1485(1690) × 517 mm
Internal dimensions:	(W x H x D) 560 × 1480 × 480 mm
Weight:	60 kg
Weight on shelf:	30 kg
Max. loading capacity:	Max. 100 kg
Body:	ESD Acryl body (10^5 - 10^{11} Ω/sq)
Shelves (B × H):	4 long shelves, 460 x 490 mm 1 short shelf, 460 x 380 mm Chrome steel and in the raster of 50 mm height adjustable.
Volume:	386 L
Electric supply	230V / 50-60Hz or 120V / 60Hz
Power consumtion:	average 35 W/h
Protection class:	Class 1, hard grounded
Humidity level cabinet:	≤2% RH, depending on amount of door openings

ESDA-SERIE

The ESDA series impresses with its modular design and is manufactured with transparent and dissipative acrylic glass. The drying storage cabinet is therefore ideally suited for use in ESD-safe areas. By combining it with a nitrogen or drying unit, it can be equipped and optimized for a wide range of applications.

SERIE 1 DISPLAY



- Easy to use
- Foil display
- Nominal value humidity
- Nominal value humidity alarm (LED)
- Delay time humidity alarm
- Nominal value temperature
- Door alarm buzzer (90 sec. delay)
- Offset possibilities

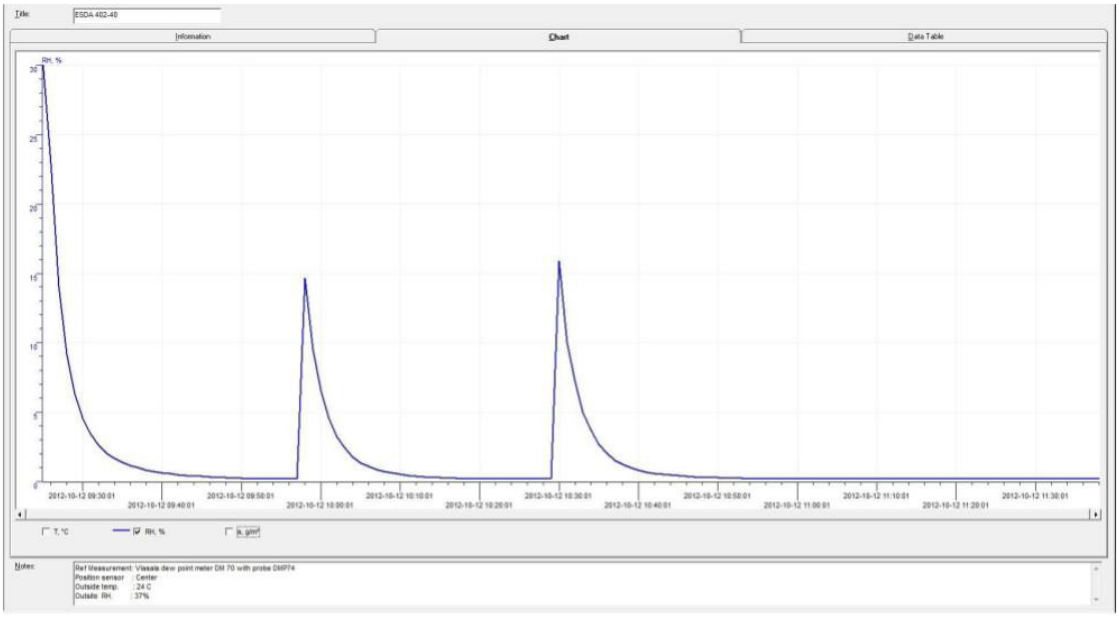
STANDARD FEATURES

✓ Hygrometer	Hygrometer with alarm function, accuracy +/- 3% RH
✓ ESD safe design	Norm IEC 61340-5-1, ESD Acrylic body (10^5 – 10^{11} Ω/sq)
✓ Lockable doors	2 glass doors, lockable. 2 keys included
✓ Drying unit	U-2000 Serie
✓ Stationary unit	360° Rollers with brake
✓ Power supply	5 meter power cord with IEC plug

BENEFITS

✓ Recovery time after door opening	<15 Min to below 5% RH is reached. (in case of a door opening, only in connection with a drying unit).
✓ IPC	According to standard: IPC/JEDEC J- STD 033CD & IPC-1601
✓ Maintenance	The drying unit is maintenance-free

PERFORMANCE TEST

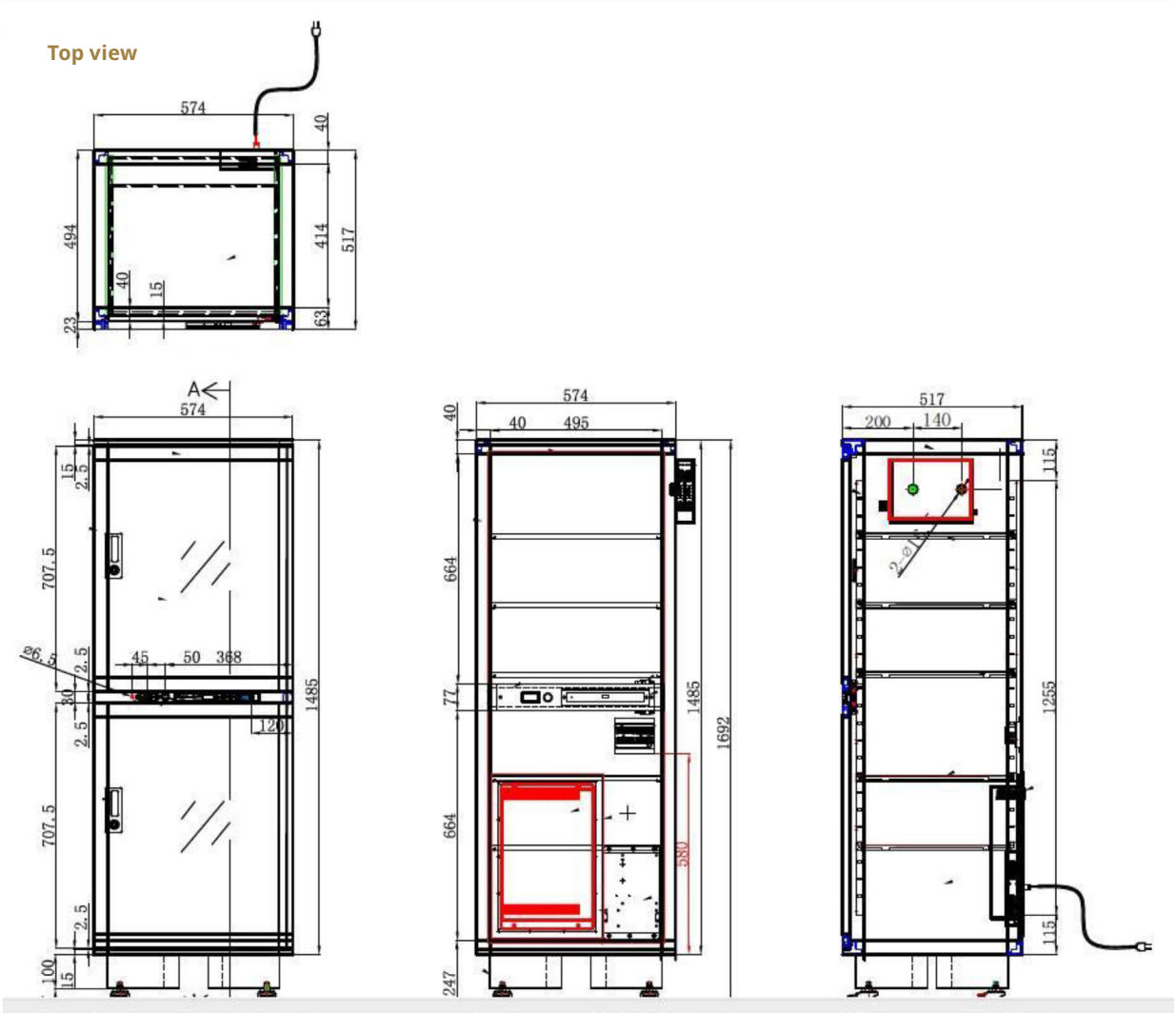


TEST CONDITIONS

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	Besides 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

All dimensions in mm

SHELVES

Maximum number of shelves	17 Pcs. long shelves 7 Pcs. short shelves
Height grid between shelves	35 mm

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ESDA Options

ITEM	NUMMER
Shelf ESDA-402, Chrome steel, Incl. holder Shelf in front of the drying unit Shelf long	30010100 20100021
SMD Reel rack with 16 reel supports 460 x 190 mm	20014008
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
ESD-safe castors ESD Castor set SD /151/302/502 & ESDA cabinets	21017048
External signal light Only available with Superdry Datalogger	20016095
SuperDry Data Logger (SDDL) Accurate data logger compatible with Totech Software	47000582
N2 Autoflow system	22613001
N2 autoflow based on Oxygen sensor	22613015
N2 flow system	20010020

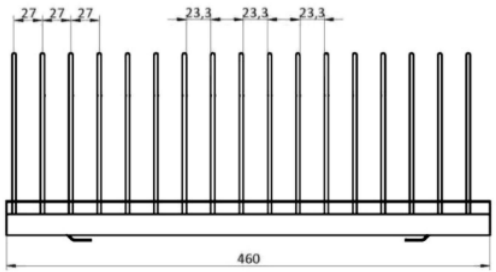
DRY UNIT U-2000

Dimensions of the Drying unit	260 × 380 × 100 mm (L × W × H)
Working environment-temperature	10 – 50° C
Power supply	230V / 50-60Hz or 120V / 60Hz
Weight	8,1 kg
Drying capacity	Up to 1% RH

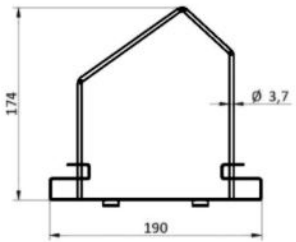
TECHNICAL DATA N2 FLOW

Power supply	90 - 230 V
N^2 Connection	8 mm hose connection
N^2 Pressure	1 - 6 bar
N^2 Standby amount	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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