DRY CABINET ESDA SERIE

TOTECH
SMART STORAGE & LOGISTICS

ESDA 804-00

TECHNICAL DATA

External dimensions:	(W x H x D) 1152 × 1485(1690) × 517 mm
Internal dimensions:	(W x H x D) 1135 × 1480 × 480 mm
Weight:	87 kg
Weight on shelf:	30 kg
Max. loading capacity:	Max. 200 kg
Body:	ESD Acryl body (10^5 - 10^{11} Ω/sq)
Fachboden (B × H):	10 shelves, 460 x 490 mm
	Chrome steel and in the grid of
	50 mm height adjustable.
Volume:	790 L
Humidity level cabinet:	≤2% RH, depending on amount of door openings.
	(Only in connection with a drying unit)

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-0 DISPLAY

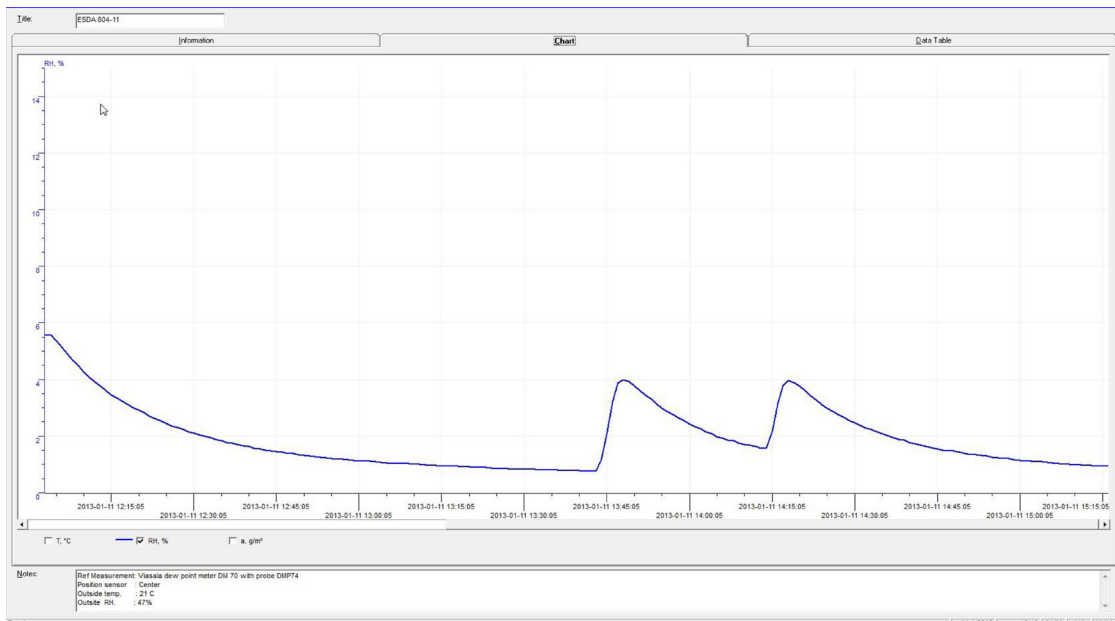Battery operated humidity measurement device.
(standard in cabinet)

STANDARD FEATURES

✓	Hygrometer	Humidity display with limit value monitoring, accuracy +/- 3% RH
✓	ESD safe design	Norm IEC 61340-5-1, ESD Acrylic body (10^5 – 10^{11} Ω/sq)
✓	Lockable doors	4 glass doors, lockable. 2 keys included
✓	Drying unit	Optional
✓	Stationary unit	360° Rollers with brake

BENEFITS

✓	Recovery time after door opening	<30 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 033D & IPC-1601

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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%)

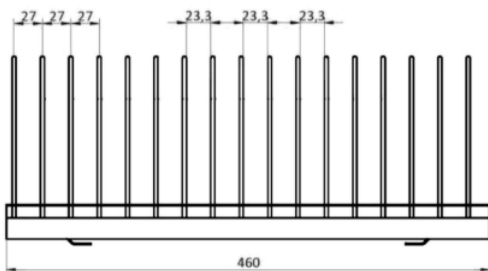For more detailed test results, please refer to our website.

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TECHNICAL DRAWINGS

Top view

Front view

Rear view

Side view

All dimensions in mm

SHELVES

Maximum number of shelves that can be mounted (with drying unit)	37 Pcs. long shelves 7 Pcs. short shelves
Maximum number of shelves that can be mounted (without drying unit)	44 Pcs. long shelves
Minimum distance between shelves	35 mm

TOTECH

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ESDA Options

ITEMS	NUMMER
Dry Unit U-4001	30021129
Shelf ESDA-804, 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 based on Oxygen sensor	22613015
N2 flow system	20010020

DRY UNIT U-4001

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
N² Connection	8 mm hose connection
N² Pressure	1 - 6 bar
N² Standby amount	0 - 25 L/min
N² Flushing	0 - 100 L/min
Flushing time	0 - 99 min

SMD-Reel rack

Reel support

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