

# NetDry

**SYMOR INSTRUMENT EQUIPMENT CO.,LTD**

*Temperature & Humidity Solution Provider*

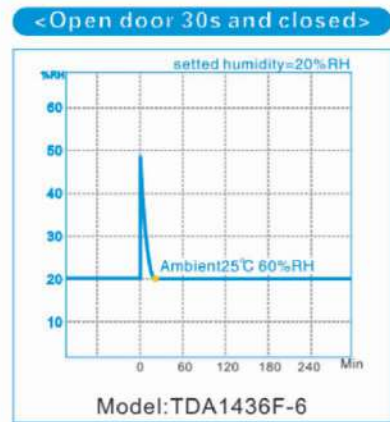
**Dry Cabinets for Moisture Sensitive Devices**

- \*Middle humidity series 20%–60%RH
- \*Low humidity series 10%–20%RH
- \*Ultra-low humidity series 1%–10%RH
- \*Bottom low humidity series 1%–5%RH
- \*Lowest humidity series 1%–3%RH
- \*Nitrogen dry cabinet series 1%–60%RH



## Middle Humidity Series 20%–60%RH(Adjustable)

**Application: camera, lenses, photographs, optical, negative, video tapes, slide, films, oil painting, stamps, drawing, microphones, CD, DVD, detector, charger, precision bearing, precious instruments, etc**



Temperature display accuracy:  $\pm 1.0^{\circ}\text{C}$



Humidity display accuracy:  $\pm 3\%RH$

Powerful desiccant (free exchange) inside cabinet absorb and exhaust moisture automatically, together with advanced IC timer, memory alloy and heating module, the whole cycle repeat automatically, so the inside humidity lowered, the humidity is controlled by LED controller.

## Specification

Features:

- Equipped with powerful & fast dry unit
- Reinforced steel body with DuPont painting
- US imported Honeywell humidity sensor
- With 1MΩ earth terminal

Model	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Average Power(W)	Max.Loading /Shelf(KG)
TDA98	98L	446*372*598	448*400*688	1	31	13	50
TDA160	160L	446*422*848	448*450*1010	3	43	18	50
TDA240	240L	596*372*1148	598*400*1310	3	57	18	50
TDA320	320L	898*422*848	900*450*1010	3	70	20	80
TDA435	435L	898*572*848	900*600*1010	3	82	20	80
TDA540	540L	596*682*1298	598*710*1465	3	95	20	80
TDA718	718L	596*682*1723	598*710*1910	5	105	20	80
TDA870	870L	898*572*1698	900*600*1890	5	130	40	100
TDA1436-4	1436L	1198*682*1723	1200*710*1910	5	189	40	100
TDA1436-6	1436L	1198*682*1723	1200*710*1910	5	189	40	100

Remark: The whole cabinet is made by reinforced steel 2. White color is without ESD function.  
Options: \*Data logger with USB port \*Door open alarm \*Over humidity alarm

## Low Humidity Series 10%-20%RH(Adjustable)

**China exclusive supplier that pass ROHS to avoid pollution on electronics!**

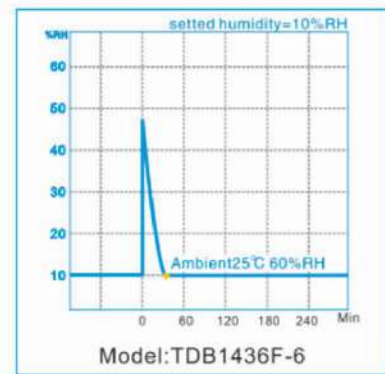


Temperature display accuracy:  $\pm 1.0^{\circ}\text{C}$



Humidity display accuracy:  $\pm 3\% \text{RH}$

<Open door 30s and closed>



## Application

Parts



Chemical



Optical Products



Pharmaceutical



Features:

- Equipped with powerful & fast dry unit
- Reinforced steel body with DuPont painting
- US imported Honeywell humidity sensor
- With 1MΩ earth terminal

## Specification

Remark:

- The whole cabinet is made by reinforced steel
- White color is without ESD function.

Options:

- \*Data logger with USB port
- \*Door open alarm
- \*Over humidity alarm

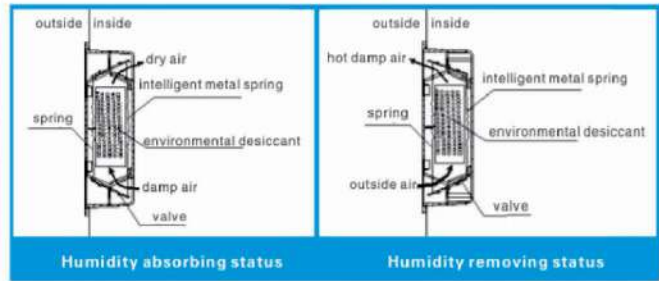
Model	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Average Power(W)	Max.Loading /Shelf(KG)
TDB98	98L	446*372*598	448*400*688	1	31	18	50
TDB160	160L	446*422*848	448*450*1010	3	43	18	50
TDB240	240L	596*372*1148	598*400*1310	3	57	20	50
TDB320	320L	898*422*848	900*450*1010	3	70	20	80
TDB435	435L	898*572*848	900*600*1010	3	82	20	80
TDB540	540L	596*682*1298	598*710*1465	3	95	40	80
TDB718	718L	596*682*1723	598*710*1910	5	105	40	80
TDB870	870L	898*572*1698	900*600*1890	5	130	40	100
TDB1436-4	1436L	1198*682*1723	1200*710*1910	5	189	80	100
TDB1436-6	1436L	1198*682*1723	1200*710*1910	5	189	80	100

## Ultra-low Humidity Series 1%–10%RH(Automatic)

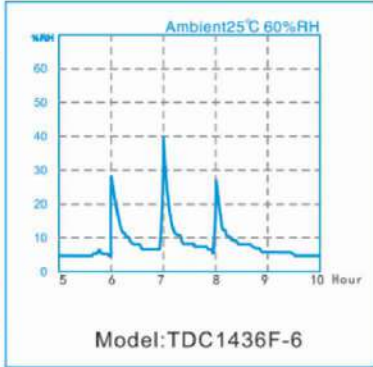
**Newest Patent: Open door 30s and closed, the humidity can achieve <10%RH within 15min!**



### Working Principle



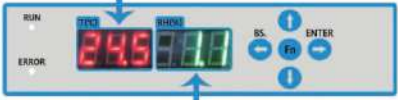
<Open door 30s and closed>



### Application



Temperature display accuracy:  $\pm 1.0^{\circ}\text{C}$



Humidity display accuracy:  $\pm 3\%RH$

- Features:**
- Equipped with powerful & fast dry unit
  - Reinforced steel body with DuPont painting
  - US imported Honeywell humidity sensor
  - With 1MΩ earth terminal

## Specification

Model ESD safe	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Average Power(W)	Max.Loading /Shelf(KG)
TDC98F	98L	446*372*598	448*400*688	1	31	18	50
TDC160F	160L	446*422*848	448*450*1010	3	43	20	50
TDC240F	240L	596*372*1148	598*400*1310	3	57	20	50
TDC320F	320L	898*422*848	900*450*1010	3	70	40	80
TDC435F	435L	898*572*848	900*600*1010	3	82	40	80
TDC540F	540L	596*682*1298	598*710*1465	3	95	60	80
TDC718F	718L	596*682*1723	598*710*1910	5	105	60	80
TDC870F	870L	898*572*1698	900*600*1890	5	130	80	100
TDC1436F-4	1436L	1198*682*1723	1200*710*1910	5	189	120	100
TDC1436F-6	1436L	1198*682*1723	1200*710*1910	5	189	120	100

**Remark:**

- The whole cabinet is made by reinforced steel
- White color is without ESD function.

**Options:**

- \*Data logger with USB port
- \*Door open alarm
- \*Over humidity alarm

## Bottom Low Humidity Series 1%–5%RH(Automatic)

**Newest Patent: Open door 30s and closed, the humidity can achieve <5%RH within 30 min!**



### Application



01-Precision components



02-3D Printing

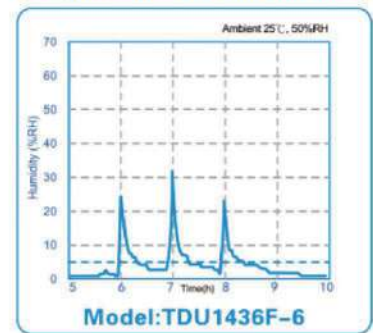


03-Drugs



04-Silver & Copper

<Open door 30s and closed>



## Workshop Details



## Specification

Model ESD safe	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Average Power(W)	Max.Loading /Shelf(KG)
TDU320	320L	898*422*848	900*450*1010	3	70	40	80
TDU435	435L	898*572*848	900*600*1010	3	82	40	80
TDU540	540L	596*682*1298	598*710*1465	3	95	60	80
TDU718	718L	596*682*1723	598*710*1910	5	105	60	80
TDU870	870L	898*572*1698	900*600*1890	5	130	80	100
TDU1436-4	1436L	1198*682*1723	1200*710*1910	5	189	120	100
TDU1436-6	1436L	1198*682*1723	1200*710*1910	5	189	120	100

**Remark:**

- 1.The whole cabinet is made by reinforced steel
- 2.White color is without ESD function.

**Options:**

- \*Data logger with USB port
- \*Door open alarm
- \*Over humidity alarm

## Lowest Humidity Series 1%-3%RH (Automatic)

1%–3%RH Series reaches very reliable low humidity values of <3%RH, it is ideal for the moisture–proof and anti–oxidation storage of moisture sensitive devices.

**Newest Patent: Open door 30 seconds, the inside humidity can reach <3%RH automatic within 30 minutes!**



### Details



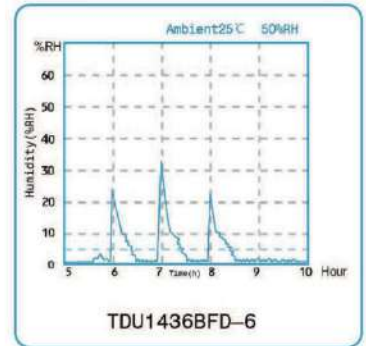
.High precision LED controller

.Adjustable perforated shelves

.Handles with airtight magnetic sealer

.Universal castors with brakes

<Open door 30s and closed>



## Dehumidifying Principle

The dry storage cabinet provides low humidity storage, humidity is removed from the cabinet by use of a powerful desiccant. The desiccant is automatically recycled with a heating mechanism, no need replacement. Moisture is absorbed, vaporized and released outside of the cabinet.

Model	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Average Power(W)	Max.Loading /Shelf(KG)
TDU320BD	320L	898*422*848	900*450*1010	3	70	8	80
TDU435BD	435L	898*572*848	900*600*1010	3	82	10	80
TDU540BD	540L	596*682*1298	598*710*1465	3	95	10	80
TDU718BD	718L	596*682*1723	598*710*1910	5	105	15	80
TDU870BD	870L	898*572*1698	900*600*1890	5	130	15	100
TDU1436BD-4	1436L	1198*682*1723	1200*710*1910	5	189	25	100
TDU1436BD-6	1436L	1198*682*1723	1200*710*1910	5	189	25	100

Remark:1.The whole cabinet is made by reinforced steel plates 2.White color is without ESD function.

Options:\*Data logger with USB interface \*Door open alarm \*Over humidity alarm

## 40°C Baking Series <10%RH (Automatic)

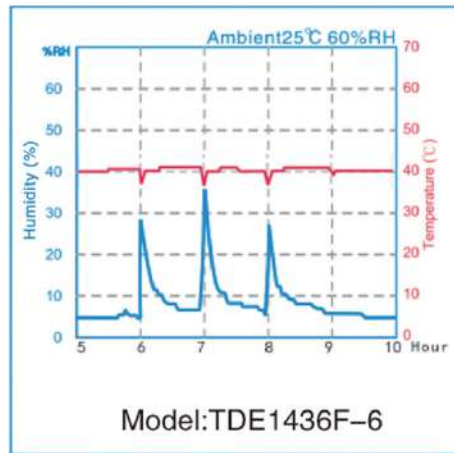
**40°C Baking Series is automatic low temperature baking drying cabinet with excellent performance maintained at 40°C and humidity below 10%RH. The interior environment is controlled by precise LED digital controller.**

Temperature display accuracy: +/-1.0°C



Humidity display accuracy: +/-3%RH

<Open door 30s and closed>



Model:TDE1436F-6

it can reach below 10%RH under 40°C baking within 30 minutes.



TDE320



TDE435



TDE1436-4



TDE1436-6

Combine fast dehumidifying and low temperature, 40°C series can automatically dry the moisture inside components without adjusting, it is a highly energy efficient alternative and delivers even temperature throughout the interior of its double wall insulated enclosure.

## Specification

Model	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Max.Loading /Shelf(KG)
TDE320	320L	898*422*848	900*450*1010	3	70	80
TDE435	435L	898*572*848	900*600*1010	3	82	80
TDE1436-4	1436L	1198*682*1723	1200*710*1910	5	189	100
TDE1436-6	1436L	1198*682*1723	1200*710*1910	5	189	100

Remark: 1. The whole cabinet is made by reinforced steel plates 2. White color is without ESD function.

Options: \*Data logger with USB interface \*Door open alarm \*Over humidity alarm

## Nitrogen Dry Cabinet Series 1%–60%RH(Adjustable)

**It will automatically cut off nitrogen supply once the cabinet reaches required humidity, which prevent humidity and oxidization, widely applied on LED, Semiconductor, Electronics Industry!**

Temperature display accuracy:  $\pm 1.0^{\circ}\text{C}$



Humidity display accuracy:  $\pm 3\%RH$



TDN98

TDN160

TDN240

TDN320

TDN435

TDN540

TDN718

TDN870

TDN1436-4

TDN1436-6

### Advantages



### Specification

Model	Capacity	Internal Size (W×D×H,mm)	External Size (W×D×H,mm)	Shelves	GW (KG)	Average Power(W)	Max.Loading /Shelf(KG)
TDN98	98L	446*372*598	448*400*688	1	31	8	50
TDN160	160L	446*422*848	448*450*1010	3	43	8	50
TDN240	240L	596*372*1148	598*400*1310	3	57	8	50
TDN320	320L	898*422*848	900*450*1010	3	70	8	80
TDN435	435L	898*572*848	900*600*1010	3	82	8	80
TDN540	540L	596*682*1298	598*710*1465	3	95	8	80
TDN718	718L	596*682*1723	598*710*1910	5	105	8	80
TDN870	870L	898*572*1698	900*600*1890	5	130	8	100
TDN1436-4	1436L	1198*682*1723	1200*710*1910	5	189	8	100
TDN1436-6	1436L	1198*682*1723	1200*710*1910	5	189	8	100

Remark: 1. The whole cabinet is made by reinforced steel;  
2. White color is without ESD function.

Options: \*Data logger with USB port \*Door open alarm \*Over humidity alarm

## Customized Dry Cabinet



Stainless steel sus#304 cabinet



Special cabinet with drawers



Acrylic dry cabinet



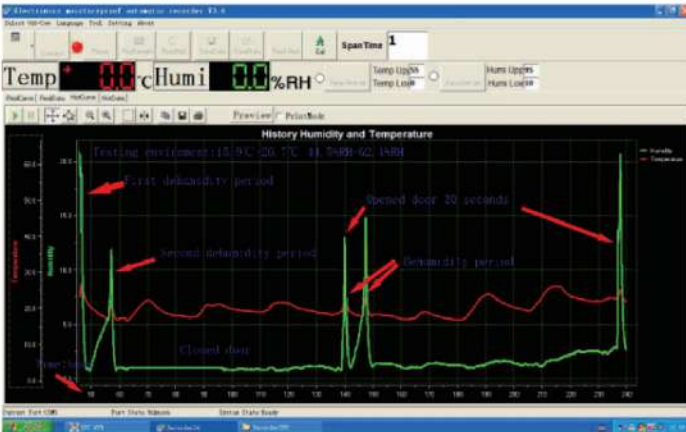
## Accessories

### Door open & Over humidity buzzer alarm and flash alarm (Optional)



### Data Logger (Optional)

It suits all Symor manufactured dry cabinet, nitrogen dry cabinet, the software can automatically store data, read temperature and humidity curve on PC through RS232 port for max. 800 hours, efficiently replace manual recording method.



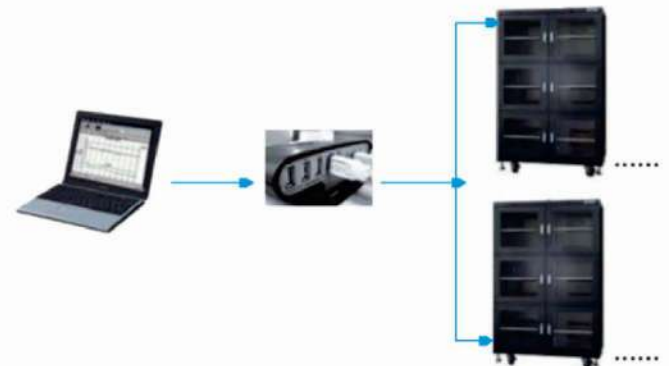
### Network Technique (Optional)

All Symor manufactured dry cabinets, nitrogen dry cabinets can be networked.

\*Network up to 250 units dry cabinets through one PC with our drive software, at present the quantity reach Max. 125 units in our past successful case, it can monitor and read data in real time, the data can transfer to curve on PC

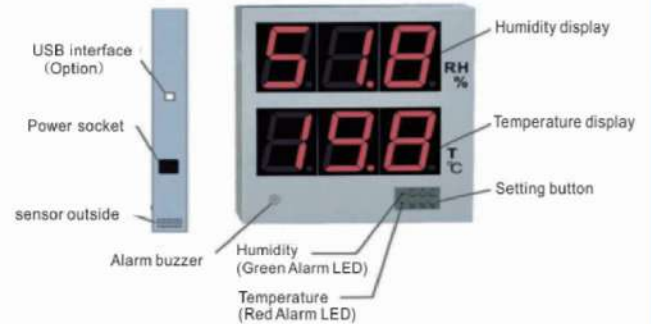
\*Printing function

\*Support Chinese-English languages



### Hygrometer (Optional)

Manage the temperature and humidity in production line!  
Normally hygrometer is installed in precise control environment, such as semiconductor and electronic production line, medicine R&D workshop, electronic components storage room, etc.



Model	TD-18D
Temperature range	-9.9°C - +70°C, ±1°C
Humidity range	0.1%RH-99.9%RH, ±3%RH
Size(mm)	340*360*55
Voltage	AC85-240V, 50/60HZ
Visibility distance	30m
Power consumption	5W/h

Remark: Equipped with over humidity, over temperature alarm.

# TEMPERATURE & HUMIDITY SOLUTION PROVIDER

## *NetDry*



Best humidity solution provider for dehumidifying, storage and monitoring your MSD!

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EMC  
tested

