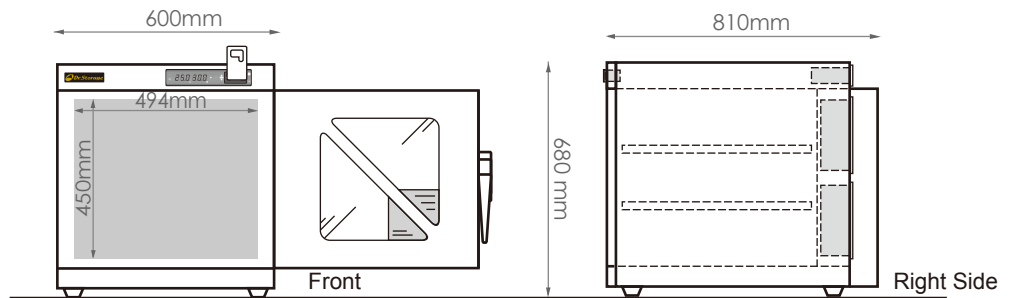


Model: T40W-240



Slash Type Window:

Function: store ISO documents such as work sheets or quality instructions.
Benefit: avoid human errors, simplify QA management.



Innovative Humidity Management Tool:

Data Logger GT-02(option): automatically record ambient & internal humidity data.
Benefit: save labor cost, simplify performance monitoring.



Automatic Alert Function:

Display built-in alarm: activate the flash & buzzer when the humidity or temp. is higher than the setting of upper limit.
Benefit: avoid abnormal humidity conditions by reminding users in real time.



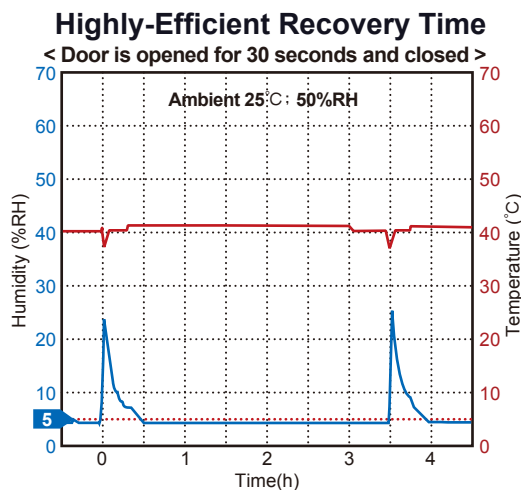
Enhanced Dehumidifying Function:

The combination of ultra-low drying and baking functions will thoroughly expel moisture out of the components.
Benefit: comply with J-STD-033C spec, improve the reset of floor life.



Calibration Reminding Function:



When the hygrometer runs over 365 days, the display will be flashed for reminding users.
Benefit: comply with ISO regulation, avoid inaccuracy of hygrometer.



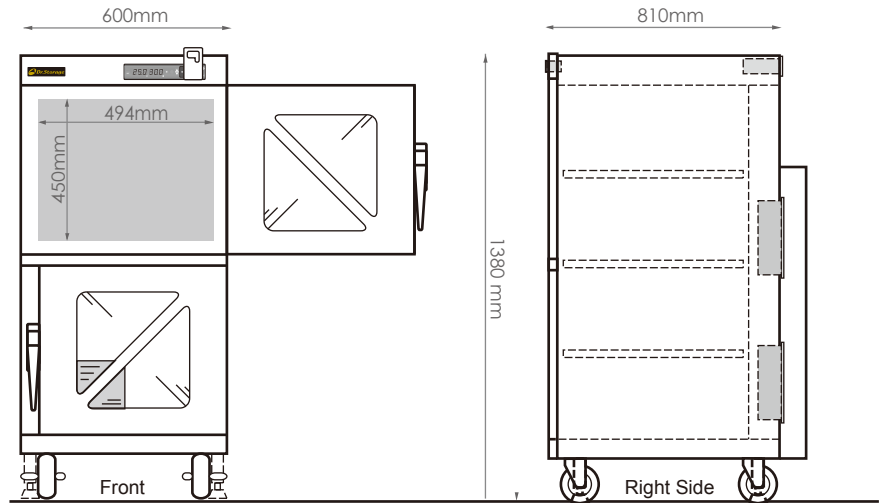
Specifications:

- **Temp. & Humidity Range** : 40°C (automatically), <5%RH
- **External Size** : W600*D810*H680mm
- **Internal Size** : W540*D530*H440mm
- **Capacity** : 126L
- **Shelves** : 2 pcs(I/N:3-20-0016-04), adjustable
- **Loading Capacity Of Shelf** : 100 kgs/per shelf
- **Display Precision** : ±3%RH;±1°C (at <10%RH, 25°C)
- **Resolution** : 0.1%RH; 0.1°C
- **Humidity Management Software** : Humidity Manager for drawing the curve of RH and Temp.
- **RS-232 Port** : Yes
- **Buzzer & Flash Alarm** : Yes
- **Cabinet Color** : Black
- **Cabinet Structure** : 1mm carbon steel with antistatic paint. Double wall cabinet body.
- **Doors** : 1 pc, antistatic glass window, slash window type, compressing handle and airtight sealer.
- **Wheels** : 4 antistatic 3" wheels, two of them with brakes.
- **Grounding Wire** : 1.0MΩ.(Length 2.0M)
- **Static Dissipative Range** : $10^3 \sim 10^9 \Omega$ (surface resistance)
- **Power Consumption** : Ave. 165W/h; Max. 355W
- **Voltage** : 110V/230V(select in advance)
- **The best performance is achieved under the ambient condition below 25°C and 50%RH.**

Accessories:

Item	①	②
Item No.	3-20-0016-04	0-60-0022-01
Item Name	Stainless Steel Shelf	GT02 Data Logger
Description	Size: W491*D515*H21mm	Memory capacity 40,000 records.
Picture		

Model: T40W-480



Slash Type Window:

Function: store ISO documents such as work sheets or quality instructions.
Benefit: avoid human errors, simplify QA management.



Innovative Humidity Management Tool:

Data Logger GT-02(option): automatically record ambient & internal humidity data.
Benefit: save labor cost, simplify performance monitoring.



Automatic Alert Function:

Display built-in alarm: activate the flash & buzzer when the humidity or temp. is higher than the setting of upper limit.
Benefit: avoid abnormal humidity conditions by reminding users in real time.



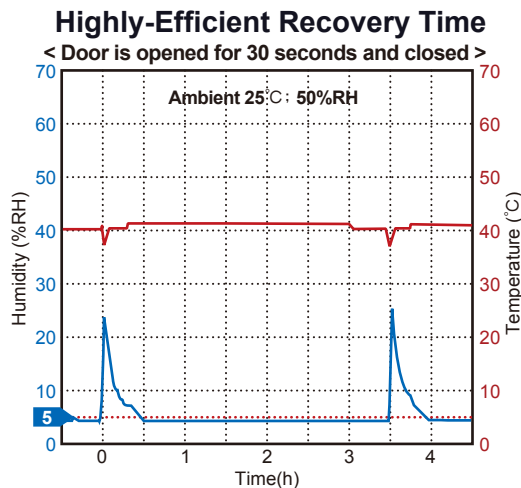
Enhanced Dehumidifying Function:

The combination of ultra-low drying and baking functions will thoroughly expel moisture out of the components.
Benefit: comply with J-STD-033C spec, improve the reset of floor life.



Calibration Reminding Function:



When the hygrometer runs over 365 days, the display will be flashed for reminding users.
Benefit: comply with ISO regulation, avoid inaccuracy of hygrometer.



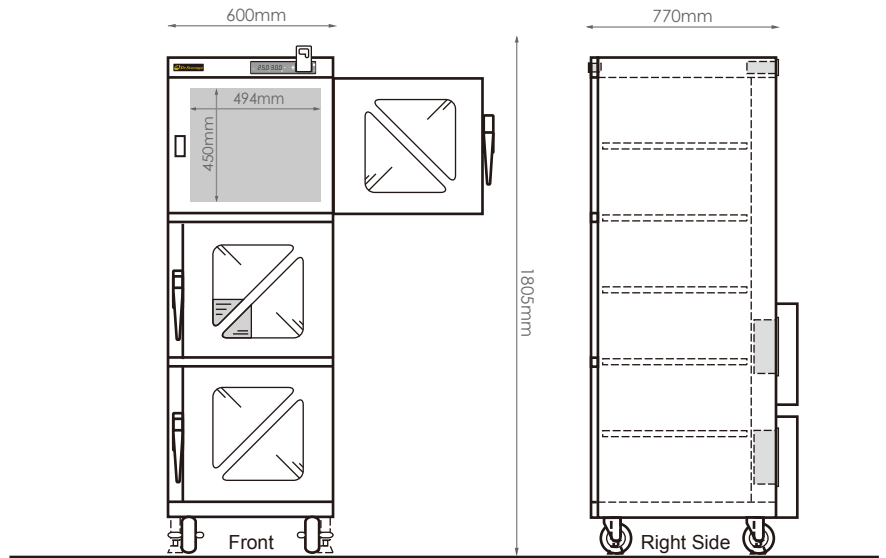
Specifications:

- **Temp. & Humidity Range** : 40°C (automatically), <5%RH
- **External Size** : W600*D810*H1380mm
- **Internal Size** : W540*D540*H1035mm
- **Capacity** : 302L
- **Shelves** : 3 pcs(I/N:3-20-0016-04), adjustable
- **Loading Capacity Of Shelf** : 100 kgs/per shelf
- **Display Precision** : ±3%RH;±1°C (at <10%RH, 25°C)
- **Resolution** : 0.1%RH; 0.1°C
- **Humidity Management Software** : Humidity Manager for drawing the curve of RH and Temp.
- **RS-232 Port** : Yes
- **Buzzer & Flash Alarm** : Yes
- **Cabinet Color** : Black
- **Cabinet Structure** : 1mm carbon steel with antistatic paint. Double wall cabinet body.
- **Doors** : 2 pcs, antistatic glass windows, slash window type, compressing handles and airtight sealers.
- **Wheels** : 4 antistatic 3" wheels, two of them with brakes.
- **Grounding Wire** : 1.0MΩ.(Length 2.0M)
- **Static Dissipative Range** : $10^3 \sim 10^9 \Omega$ (surface resistance)
- **Power Consumption** : Ave. 225W/h; Max. 505W
- **Voltage** : 110V/230V(select in advance)
- **The best performance is achieved under the ambient condition below 25°C and 50%RH.**

Accessories:

Item	①	②
Item No.	3-20-0016-04	0-60-0022-01
Item Name	Stainless Steel Shelf	GT02 Data Logger
Description	Size: W491*D515*H21mm	Memory capacity 40,000 records.
Picture		

Model: T40W-600



Slash Type Window:

Function: store ISO documents such as work sheets or quality instructions.
Benefit: avoid human errors, simplify QA management.



Innovative Humidity Management Tool:

Data Logger GT-02(option): automatically record ambient & internal humidity data.
Benefit: save labor cost, simplify performance monitoring.



Automatic Alert Function:

Display built-in alarm: activate the flash & buzzer when the humidity or temp. is higher than the setting of upper limit.
Benefit: avoid abnormal humidity conditions by reminding users in real time.



Enhanced Dehumidifying Function:

The combination of ultra-low drying and baking functions will thoroughly expel moisture out of the components.
Benefit: comply with J-STD-033C spec, improve the reset of floor life.

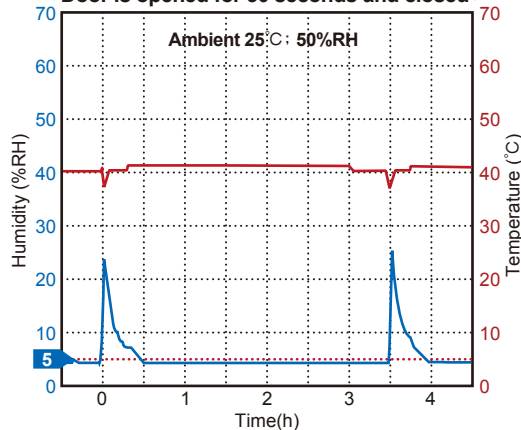


Calibration Reminding Function:

When the hygrometer runs over 365 days, the display will be flashed for reminding users.
Benefit: comply with ISO regulation, avoid inaccuracy of hygrometer.

Highly-Efficient Recovery Time



< Door is opened for 30 seconds and closed >



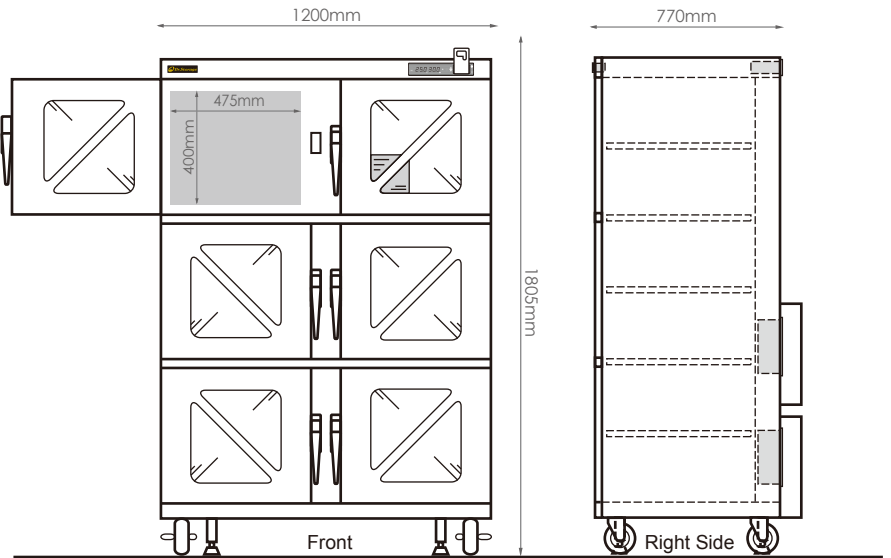
Specifications:

- **Temp. & Humidity Range** : 40°C (automatically), <5%RH
- **External Size** : W600*D770*H1805mm
- **Internal Size** : W540*D500*H1460mm
- **Capacity** : 395L
- **Shelves** : 5 pcs(I/N:3-20-0016-04), adjustable
- **Loading Capacity Of Shelf** : 100 kgs/per shelf
- **Display Precision** : ±3%RH;±1°C (at <10%RH, 25°C)
- **Resolution** : 0.1%RH; 0.1°C
- **Humidity Management Software** : Humidity Manager for drawing the curve of RH and Temp.
- **RS-232 Port** : Yes
- **Buzzer & Flash Alarm** : Yes
- **Cabinet Color** : Black
- **Cabinet Structure** : 1mm carbon steel with antistatic paint. Double wall cabinet body.
- **Doors** : 3 pcs, antistatic glass windows, slash window type, compressing handles and airtight sealers.
- **Wheels** : 4 antistatic 3" wheels, two of them with brakes.
- **Grounding Wire** : 1.0MΩ.(Length 2.0M)
- **Static Dissipative Range** : $10^3 \sim 10^9 \Omega$ (surface resistance)
- **Power Consumption** : Ave. 225W/h; Max. 505W
- **Voltage** : 110V/230V(select in advance)
- **The best performance is achieved under the ambient condition below 25°C and 50%RH.**

Accessories:

Item	①	②
Item No.	3-20-0016-04	0-60-0022-01
Item Name	Stainless Steel Shelf	GT02 Data Logger
Description	Size: W490*D478*H20mm	Memory capacity 40,000 records.
Picture		

Model: T40W-1200-6



Slash Type Window:

Function: store ISO documents such as work sheets or quality instructions.
Benefit: avoid human errors, simplify QA management.



Innovative Humidity Management Tool:

Data Logger GT-02(option): automatically record ambient & internal humidity data.
Benefit: save labor cost, simplify performance monitoring.



Automatic Alert Function:

Display built-in alarm: activate the flash & buzzer when the humidity or temp. is higher than the setting of upper limit.
Benefit: avoid abnormal humidity conditions by reminding users in real time.



Enhanced Dehumidifying Function:

The combination of ultra-low drying and baking functions will thoroughly expel moisture out of the components.
Benefit: comply with J-STD-033C spec, improve the reset of floor life.

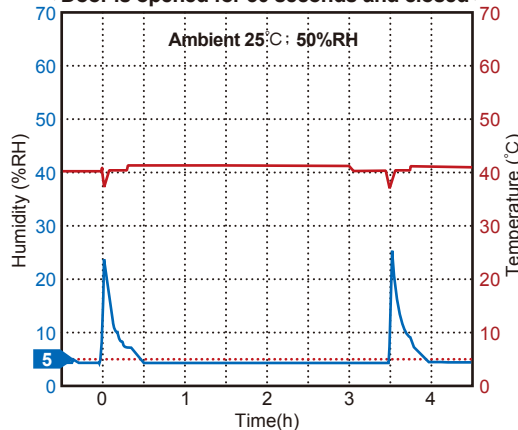


Calibration Reminding Function:

When the hygrometer runs over 365 days, the display will be flashed for reminding users.
Benefit: comply with ISO regulation, avoid inaccuracy of hygrometer.

Highly-Efficient Recovery Time



< Door is opened for 30 seconds and closed >



Specifications:

- **Temp. & Humidity Range** : 40°C (automatically), <5%RH
- **External Size** : W1200*D770*H1805mm
- **Internal Size** : W1140*D500*H1460mm
- **Capacity** : 833L
- **Shelves** : 5 pcs(I/N:3-20-0020-05), adjustable
- **Loading Capacity Of Shelf** : 100 kgs/per shelf
- **Display Precision** : ±3%RH;±1°C (at <10%RH, 25°C)
- **Resolution** : 0.1%RH; 0.1°C
- **Humidity Management Software** : Humidity Manager for drawing the curve of RH and Temp.
- **RS-232 Port** : Yes
- **Buzzer & Flash Alarm** : Yes
- **Cabinet Color** : Black
- **Cabinet Structure** : 1mm carbon steel with antistatic paint. Double wall cabinet body.
- **Doors** : 6 pcs, antistatic glass windows, slash window type, compressing handles and airtight sealers.
- **Wheels** : 4 antistatic 3" wheels, two of them with brakes.
- **Grounding Wire** : 1.0MΩ.(Length 2.0M)
- **Static Dissipative Range** : $10^3 \sim 10^9 \Omega$ (surface resistance)
- **Power Consumption** : Ave. 395W/h; Max. 955W
- **Voltage** : 110V/230V(select in advance)
- **The best performance is achieved under the ambient condition below 25°C and 50%RH.**

Accessories:

Item	①	②
Item No.	3-20-0020-05	0-60-0022-01
Item Name	Stainless Steel Shelf	GT02 Data Logger
Description	Size: W1080*D460*H20mm	Memory capacity 40,000 records.
Picture		

IPC/JEDEC J-STD-033B

Table 4-1 Reference Conditions for Drying Mounted or Unmounted SMD Packages (User Bake: Floor life begins counting at time = 0 after bake)

Package Body	Level	Bake @ 125°C		Bake @ 90°C ≤5% RH		Bake @ 40°C ≤5% RH	
		Exceeding Floor Life by >72 h	Exceeding Floor Life by ≤72 h	Exceeding Floor Life by >72 h	Exceeding Floor Life by ≤72 h	Exceeding Floor Life by >72 h	Exceeding Floor Life by ≤72 h
Thickness ≤1.4 mm	2	5 hours	3 hours	17 hours	11 hours	8 days	5 days
	2a	7 hours	5 hours	23 hours	13 hours	9 days	7 days
	3	9 hours	7 hours	33 hours	23 hours	13 days	9 days
	4	11 hours	7 hours	37 hours	23 hours	15 days	9 days
	5	12 hours	7 hours	41 hours	24 hours	17 days	10 days
	5a	16 hours	10 hours	54 hours	24 hours	22 days	10 days
Thickness >1.4 mm ≤2.0 mm	2	18 hours	15 hours	63 hours	2 days	25days	20 days
	2a	21 hours	16 hours	3 days	2 days	29 days	22 days
	3	27 hours	17 hours	4 days	2 days	37 days	23 days
	4	34 hours	20 hours	5 days	3 days	47 days	28 days
	5	40 hours	25 hours	6 days	4 days	57 days	35 days
	5a	48 hours	40 hours	8 days	6 days	79 days	56 days
Thickness >2.0 mm ≤4.5 mm	2	48 hours	48 hours	10 days	7 days	79 days	67 days
	2a	48 hours	48 hours	10 days	7 days	79 days	67 days
	3	48 hours	48 hours	10 days	8 days	79 days	67 days
	4	48 hours	48 hours	10 days	10 days	79 days	67 days
	5	48 hours	48 hours	10 days	10 days	79 days	67 days
	5a	48 hours	48 hours	10 days	10 days	79 days	67 days
BGA package >17 mm x 17 mm or any stacked die package (See Note 2)	2-6	96 hours	As above per package thickness and moisture level	Not applicable	As above per package thickness and moisture level	Not applicable	As above per package thickness and moisture level

Note 1: Table 4-1 is based on worst-case molded lead frame SMD packages. Users may reduce the actual bake time if technically justified (e.g., absorption/desorption data, etc.). In most cases it is applicable to other nonhermetic surface mount SMD packages.

Note 2: For BGA packages >17 mm x 17 mm, that do not have internal planes that block the moisture diffusion path in the substrate, may use bake times based on the thickness/moisture level portion of the table.

Note 3: If baking of packages >4.5 mm thick is required see appendix B.

Table 4-3 Resetting or Pausing the “Floor Life” Clock at User Site

MSL Level	Exposure Time @ Temp/Humidity	Floor Life	Desiccator Time @ Relative Humidity	Bake	Reset Shelf Life
2, 2a, 3, 4, 5, 5a	Anytime ≤40°C/85% RH	reset	NA	Table 4.1	Dry Pack
2, 2a, 3, 4, 5, 5a	> floor life ≤30°C/60% RH	reset	NA	Table 4.1	Dry Pack
2a, 3, 4	>12 hrs ≤30°C/60% RH	reset	NA	Table 4.1	Dry Pack
2, 2a, 3, 4	≤12 hrs ≤30°C/60% RH	reset	5X exposure time ≤10% RH	NA	NA
5, 5a	>8 hrs ≤30°C/60% RH	reset	NA	Table 4.1	Dry Pack
5, 5a	≤8 hrs ≤30°C/60% RH	reset	10X exposure time ≤5% RH	NA	NA
2, 2a, 3	Cumulative time ≥ floor life ≤30°C/60% RH	pause	Anytime ≤10% RH	NA	NA

※ according to IPC/JEDEC J-STD-033B