

ESD Safe • 3 Desiccators for fast recovery • normally immediate delivery

Humidity range conforms to IPC/JEDEC J-STD 033C Standards for storing even expensive IC packages



**Features:**

- Capacity: 1360 litres (approx.)
- Tampered Toughened Glass Windows
- LED Display for Temperature and Humidity
- Humidity Controller maintains stable RH Level
- Accuracy:  $\pm 3\%RH$  (It is not  $\pm 3\%$ )\*

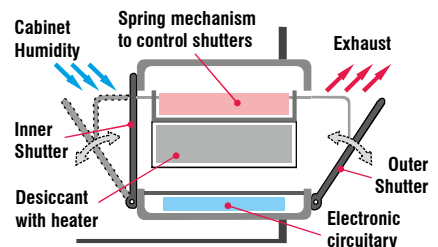
\* If the set humidity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

**Specifications:**

- Humidity Range : 1% ~ 60%RH
- Humidity Technique : Semi-permanent dry desiccant
- Internal Dimensions : 1198W x 630D x 1770H mm approx.
- External Dimensions : 1200W x 660D x 1950H mm approx.
- Material : Cold Roll Steel with Black Paint
- No. of Doors/Shelves : 6 Doors/5 Shelves
- Input Supply : 220V ~ 240V, 50Hz, 26 Watt

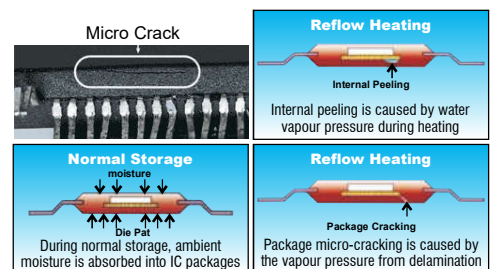
**Dehumidifying Principle**

Humidity is removed inside the Storage Cabinet by use of dry powerful zeolite desiccant. The desiccant is automatically recycled with an in-built heating mechanism. It does not require replacement. Moisture absorbed by the zeolite desiccant, is released outside of the cabinet automatically. No maintenance is required.



**ESD Safe Dehumidifying Storage Cabinets are must to maintain high reliability of Bare/Assembled PCBs, ICs & other expensive components**

Miniaturization in electronics field require use of expensive large size ICs which are not only static charge sensitive but are also moisture sensitive. Such ICs need higher level of moisture control as otherwise they will have internal cracking during reflow process because of moisture expansion. Prevention lies in storing such ICs in ESD Safe and Humidity Controlled Dry Storage Cabinets.



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Warranty is 12 months from the date of invoice. It excludes any mechanically damaged part.

While the information contained herein in, has been carefully compiled to the best of our knowledge, nothing is intended as representation and warranty on our part; and no statement shall be construed as recommendation to infringe any of existing patents. We accept no liability of whatsoever for any faults and errors in the information contained herein. Contents of this catalogue and specifications of the products, are subject to change without notice due to continuous improvements.

**Humidity range conforms to IPC/JEDEC J-STD 033C Standards for storing even expensive IC packages**



**Rugged Handles lock by pressing & with Key**



**Wrist Strap Terminals for ESD Safe working**



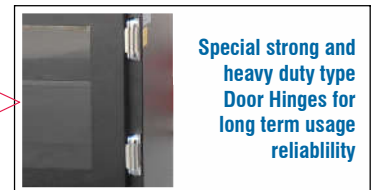
**Grounding Line is provided at back side**



**Two Desiccators ensure faster set humidity recovery**



**Digital Thermo Hygrometer with PC Interface**



**Special strong and heavy duty type Door Hinges for long term usage reliability**



**4 Heavy Duty Castor Wheels (2 Wheels lockable)**

**Specifications:**

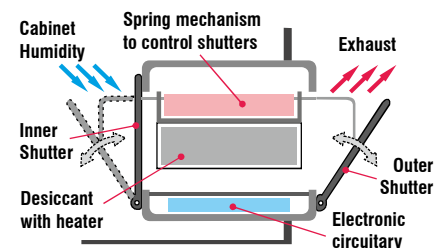
- Humidity Range : 1% ~ 60%RH
- Humidity Technique : Semi-permanent dry desiccant
- Internal Dimensions : 598W x 680D x 1738H mm approx.
- External Dimensions : 600W x 710D x 1920H mm approx.
- Material : Cold Roll Steel with Black Paint
- No. of Doors/Shelves : 3 Doors/5 Shelves
- Input Supply : 220V ~ 240V, 50Hz, 13 Watt

**Features:**

- Capacity: 728 litres (approx.)
  - Tempered Toughened Glass Windows
  - LED Display for Temperature and Humidity
  - Humidity Controller maintains stable RH Level
  - Accuracy:  $\pm 3\%RH$  (It is not  $\pm 3\%$ )\*
- \* If the set humidity is 10%RH. Then the actual value will be within 7%RH & 13%RH. If it is set at 18%RH then actual value will be within 15%RH & 21%RH.

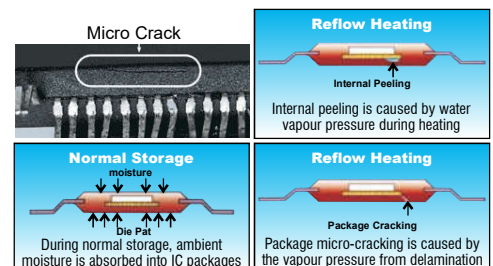
**Dehumidifying Principle**

Humidity is removed inside the Storage Cabinets by use of dry powerful zeolite desiccant. The desiccant is automatically recycled with an in-built heating mechanism. It does not require replacement. Moisture absorbed by the zeolite desiccant, is released outside of the cabinet. No maintenance is required.



**ESD Safe Dehumidifying Storage Cabinets are must to maintain high reliability of Bare/Assembled PCBs, ICs & other expensive components**

Miniaturization in electronics field require use of expensive large size ICs which are not only static charge sensitive but are also moisture sensitive. Such ICs need higher level of moisture control as otherwise they will have internal cracking during reflow process because of moisture expansion. Prevention lies in storing such ICs in ESD Safe and Humidity controlled Dry Storage Cabinets.



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## Optional Door Alarm Module

This Module can be installed on top of the Humidity Cabinet to monitor the humidity inside the cabinet and to alert the user for any change in humidity value.

This Module is programmable for upper and lower limit of humidity. Once the humidity inside the cabinet increases or decreases from this programmed limit, the alarm will start with beep sound.

Example: The set value in the cabinet is 30% RH. The Alarm Module is programmed for +/- 5%RH. Then if the value of humidity inside the cabinet increases beyond 35%RH then the alarm start ringing. Accordingly if the humidity inside the cabinet decreases beyond 25%RH then the alarm start ringing.

If the door is opened for long time, the humidity value increases from the set upper limit - the alarm start ringing



## Optional Data Logger with PC Interface & Software

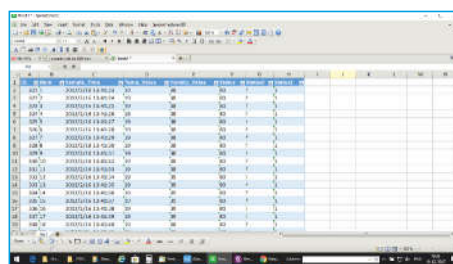
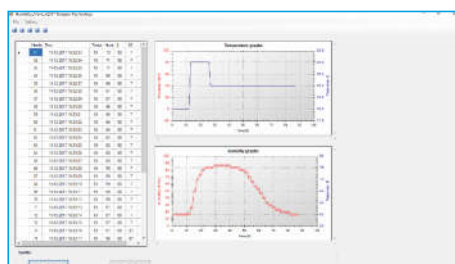
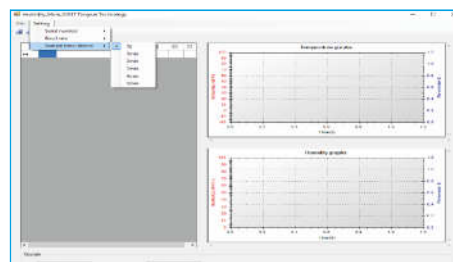
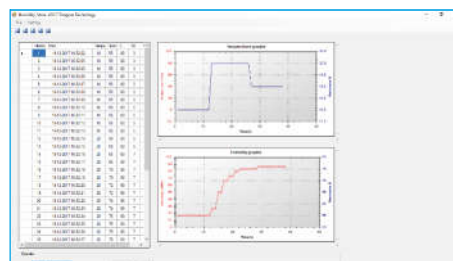
The humidity and temperature inside the cabinet is monitored on a computer using this optionally available Data-logger.

For this Datalogging the hardware is fitted on the Dry Cabinet. This hardware allows the Dry Cabinet to be connected to a PC thru a connecting cable (RS232 to USB).

The software provided allows the capturing and saving the data on a computer.

Capturing time intervals is programmable. It can be programmed for 1 second, 1, 2, 3, 4, & 5 minutes.

The data is displayed on the monitor in tabular form as well as in graphical form. This data is captured and automatically saved in the computer. This data can be viewed in excel sheets for further analysis.



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