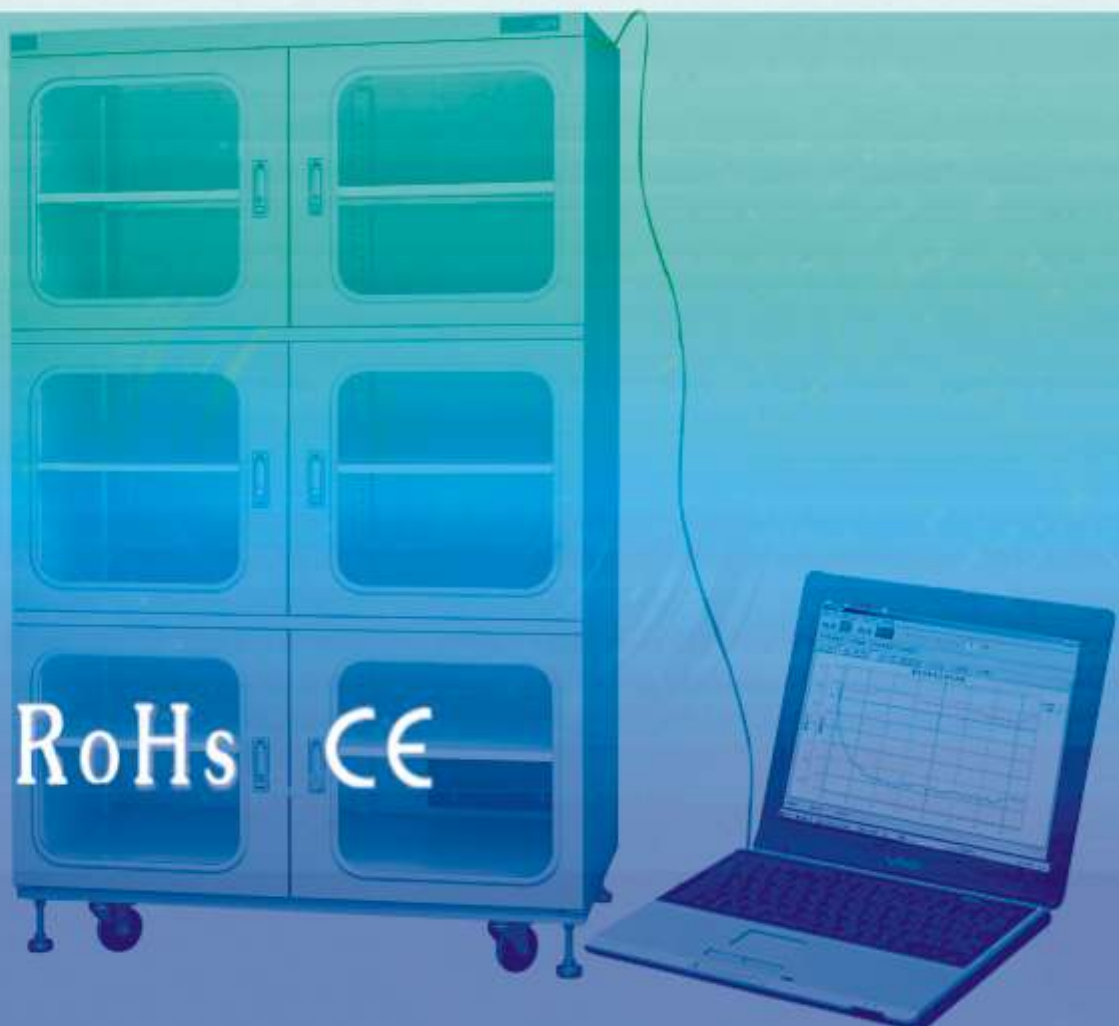




CATEC AUTO DRY CABINETS



Is your goods safely stored?

We are supplying you with professional dehumidifying solutions for goods storage.



INTRODUCTION OF CATEC

Changshu Catec Electronic Equipment Factory, located in Yushan High-Tech Industry Park of Changshu (a famous history&culture and international garden city Suzhou area of Jiangsu province, only 2hrs by driving to Shanghai), specializes in manufacturing various types of dry cabinet, nitrogen cabinet and other electronic equipment. Co-operating with Catec Enterprise Inc. from Canada, we have powerful professional team on the field of humidity control and assist many companies with material's humidity-proof.

We enriched our experience and knowledge in the product field with over 10yrs of sustainable working, based on our management purpose of "Technology Keeping Ahead, Quality Serving Customers". We understand our clients' need, requirement and international standard quite well. With modern equipments, advanced technology, strict quality control in production and constant technical innovating, Catec's products are welcoming in worldwide markets and become popular in many fields, such as micro-electronics, electronics, war industry, chemical industry, research institute etc. We are having strong confidence to supply our clients worldwide with best quality-price ratio and sound over-all service.

Contact us today if you want to have a long-term fruitful co-operation with our company!



ROHS Test Report



CE LVD Certification



CE EMC Certification



Patent

Applications of Catec Auto Dry Cabinets

- Dehumidifying and moisture-proof for integrated circuit before SMT.
- Dehumidifying for liquid crystal glasses after washing.
- Dehumidification storage for the materials like crystal plates, electrical adhesives, etc. for crystal resonator production.
- Dehumidification storage for the multi-layers PCB before SMT and single PCB after SMT.
- Dehumidification and anti-oxidation storage for PCB semi-products and some single parts after SMT for next process.
- Dehumidification and cleaning storage for all kinds of optical measuring instruments and gauges.
- Dehumidification, anti-oxidation and cleaning storage for various parts and components.
- Dehumidification, anti-oxidation and cleaning storage for various precise modules, dies or moulds.

Features of Catec Auto Dry Cabinets

- Complete auto dehumidifying, no need of manual working, stable for long-term storage. The lowest moisture is well controlled within 1%~10% RH.
- Low energy consumption design: With energy saving module, fast dehumidifying, and having no dust, no water drops, no noise and no extra materials or parts.
- The most economic design: No need of N₂ charging for low moisture.
- Sound safety: inside controlling can avoid danger of outside touching that would damage the cabinet.
- High accuracy measurement and controlling: with the sensors of world brand Honeywell, the deviation is within 3%RH.
- Movable structure: movable load-bearing shelves to separate the cabinet space and movable truckles for the cabinet moving.
- Excellent function of dehumidifying and good airtightness to avoid influence from outer environment.

DEFENCE CONSTRUCTION

AUTOMOTIVE INDUSTRY

FOOD INDUSTRY

PHARMACEUTICAL INDUSTRY

RUBBER PROCESSING

SPACE INDUSTRY

PHOTOGRAPHY & OPTICAL
INDUSTRY

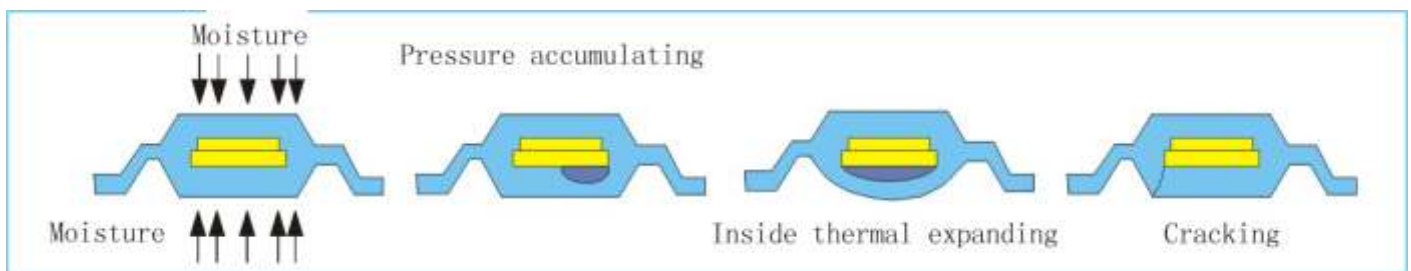
BIOTECHNOLOGY

Semi-conductor & electronic industry

Semi-conductor / electronic industry

As humidity is found to be one of the key reasons for rejected products, many manufacturers are taking all kinds of measures to control the humidity to increase their production efficiency and save the cost. Normally in the industries of semi-conductor and electronics, the key section in which the rejected products are most probably to be made is that during the heating process of SMT, the IC (ex:PBGA、 BGA、 TQFD) is supposed to cracking and thus cause non-effective welding because of the humidity. Catec auto dry cabinet is the best solution to dehumidify the IC to avoid the cracking and non-effective welding:

Cracking of the IC during SMT heating process



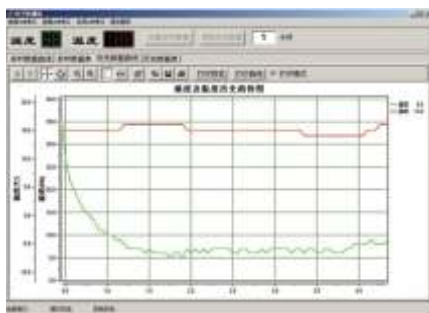
- Put the unpacked and non-used IC parts or BGA or PCB into the auto dry cabinets.
- Put the non-welded parts into the auto dry cabinets
- Put the to-be-cooled baked parts into the auto dry cabinets
- Put the unpacked finished products into the auto dry cabinets



Standard Parameter of Catec Dry Cabinet

- a) The case shell of dehumidifier device is made of high temperature-proof material, which adopts PTC heating method to achieve lower temperature roasting (other manufacturers usually take high temperature roasting).
- b) The cabinet uses 1mm cold rolling steel sheet and powder baking lacquer techniques (18 steps working procedure).
- c) Using USA Honeywell humidity sensor, relative humidity deviation is $\pm 3\%RH$.
- d) AC power 85V~250V 50/60Hz
- e) using toughened glass of 3.2mm thickness.
- f) high intension bearing, every shelf can bear over 40-150Kg load.
- g) blocking design on dehumidity device, customer can disassemble the bad device and change a new device if necessary.
- h) the surface coating has acquired ROHS certification and the product has acquired CE certification.

Product Name	Type	Controlled Scope	Control Mode
Middle humidity dry cabinet	A	20%RH-60%RH	Adjustable pointing control
Low humidity dry cabinet	B	10%RH-20%RH	Adjustable pointing control
Ultra-low humidity dry cabinet	C	1%RH-10%RH	Automatic
Full automatic nitrogen cabinet	D	1%RH-60%RH	Precise pointing control
Fast dehumidifying dry cabinet	E	1%RH-60%RH	Precise pointing control



Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel,
reinforcing structure design, high intensity bearing,
every shelf can bear over 40kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- Using advanced powder coating technology with
Dupont powder, high anti-erosion performance,
and the surface powder coating has acquired ROHS
certification, the technology can avoid your stored
goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W448 *D400 *H688mm
Inner dimensions :W446 *D372 *H598mm
- Anti-ESD powder coating (black color)



Cubage: 98L

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY98A	20%~60%	13	91	N
DRY98B	10%~20%	18	126	N
DRY98C	1%~10%	18	126	N
DRY98EA	20%~60%	13	91	Y
DRY98EB	10%~20%	18	126	Y
DRY98 -EC	1%~10%	18	126	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 40kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W448 *D450 *H1010mm
Inner dimensions :W446 *D422 *H848mm
- Anti-ESD powder coating (black color)



Cubage: 160L

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY160A	20%~60%	18	126	N
DRY160B	10%~20%	18	126	N
DRY160C	1%~10%	20	140	N
DRY160EA	20%~60%	18	126	Y
DRY160EB	10%~20%	18	126	Y
DRY160EC	1%~10%	20	140	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywel Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 60kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W598 *D400 *H1310mm
Inner dimensions :W596 *D372 *H1148mm
- Anti-ESD powder coating (black color)



Cubage: 240L

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY240A	20%~60%	18	126	N
DRY240B	10%~20%	18	126	N
DRY240C	1%~10%	20	140	N
DRY240EA	20%~60%	18	126	Y
DRY240EB	10%~20%	18	126	Y
DRY240EC	1%~10%	20	140	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel,
reinforcing structure design, high intensity bearing,
every shelf can bear over 80kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology
with Dupont powder, high anti-erosion
performance, and the surface powder
coating has acquired ROHS certification, the
technology can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W900 *D450 *H1010mm
Inner dimensions :W898 *D422 *H848mm
- Anti-ESD powder coating (black color)



Cubage: 320L

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY320A	20%~60%	20	140	N
DRY320B	10%~20%	20	140	N
DRY320C	1%~10%	40	280	N
DRY320EA	20%~60%	20	140	Y
DRY320EB	10%~20%	20	140	Y
DRY320EC	1%~10%	40	280	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 80kg goods.
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W900 *D600 *H1010mm
Inner dimensions :W898 *D572 *H848mm
- Anti-ESD powder coating (black color)



Cubage: 435L

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY435A	20%~60%	20	140	N
DRY435B	10%~20%	20	140	N
DRY435C	1%~10%	40	280	N
DRY435EA	20%~60%	20	140	Y
DRY435EB	10%~20%	20	140	Y
DRY435EC	1%~10%	40	280	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 100kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W598 *D710 *H1465mm
Inner dimensions :W596 *D682 *H1298mm
- Anti-ESD powder coating (black color)



Cubage: 540L



Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY540A	20%~60%	20	140	N
DRY540B	10%~20%	40	280	N
DRY540C	1%~10%	60	420	N
DRY540EA	20%~60%	20	140	Y
DRY540EB	10%~20%	40	280	Y
DRY540EC	1%~10%	60	420	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 100kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology can avoid your stored goods from pollution
- AC power 85V ~265V 50/60Hz
- Outer dimensions :W598 *D710 *H1910mm
Inner dimensions :W596 *D682 *H1723mm
- Anti-ESD powder coating (black color)



Cubage: 718L

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY718A	20%~60%	20	140	N
DRY718B	10%~20%	40	280	N
DRY718C	1%~10%	60	420	N
DRY718EA	20%~60%	20	140	Y
DRY718EB	10%~20%	40	280	Y
DRY718EC	1%~10%	60	420	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel,
reinforcing structure design, high intensity bearing,
every shelf can bear over 100kg load
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology
with Dupont powder , high anti-erosion
performance, and the surface powder
coating has acquired ROHS certification, the
technology can avoid your stored goods from pollution
- AC power 85V~265 V 50/60Hz
- Outer dimensions :W900 *D600 *H1890mm
Inner dimensions :W898 *D572 *H1698mm
- Anti-ESD powder coating (black color)



Cubage: 870L



Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY870A	20%~60%	40	280	N
DRY870B	10%~20%	40	280	N
DRY870C	1%~10%	80	560	N
DRY870EA	20%~60%	40	280	Y
DRY870EB	10%~20%	40	280	Y
DRY870EC	1%~10%	80	560	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 150kg load.
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology which can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W1200 *D710 *H1910mm
Inner dimensions :W1198 *D682 *H1723mm
- Anti-ESD powder coating (black color)



Cubage: 1436L
4 windows



Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY1436A -4	20%~60%	40	280	N
DRY1436B -4	10%~20%	80	560	N
DRY1436C -4	1%~10%	120	840	N
DRY1436EA -4	20%~60%	40	280	Y
DRY1436EB -4	10%~20%	80	560	Y
DRY1436EC -4	1%~10%	120	840	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every shelf can bear over 150kg load.
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology which can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W1200 *D710 *H1910mm
Inner dimensions :W1198 *D682 *H1723mm
- Anti-ESD powder coating (black color)



Cubage: 1436L
6 windows



Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY1436A -6	20%~60%	40	280	N
DRY1436B -6	10%~20%	80	560	N
DRY1436C -6	1%~10%	120	840	N
DRY1436EA -6	20%~60%	40	280	Y
DRY1436EB -6	10%~20%	80	560	Y
DRY1436EC -6	1%~10%	120	840	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel,
reinforcing structure design, high intensity bearing,
every drawer can bear over 40kg load
- Also can select High intensity truckle with brake
- Using advanced powder coating technology
with Dupont powder, high anti-erosion
performance, and the surface powder
coating has acquired ROHS certification,
then which can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W448 *D550 *H658mm
- Anti-ESD powder coating (black color)



Cubage: 118L
2 drawer

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY118A	20%~60%	18	126	N
DRY118B	10%~20%	18	126	N
DRY118C	1%~10%	20	140	N
DRY118EA	20%~60%	18	126	Y
DRY118EB	10%~20%	18	126	Y
DRY118EC	1%~10%	20	140	Y

Product Characteristic:

- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel, reinforcing structure design, high intensity bearing, every drawer can bear over 40kg load
- Also can select High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, then which can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W448 *D550 *H932mm
- Anti-ESD powder coating (black color)



Cubage: 178L
3 drawer

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY178A	20%~60%	18	126	N
DRY178B	10%~20%	18	126	N
DRY178C	1%~10%	20	140	N
DRY178E A	20%~60%	18	126	Y
DRY178E B	10%~20%	18	126	Y
DRY178E C	1%~10%	20	140	Y

Product Characteristic:

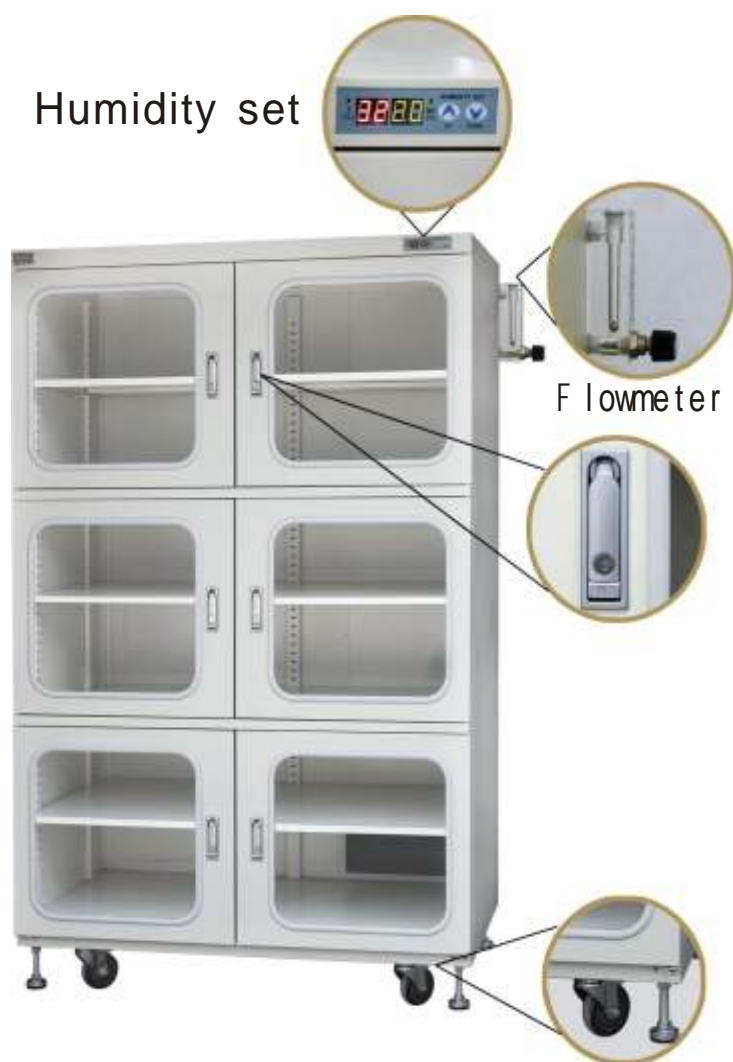
- LED display, the humidity sensor is made by Honeywell
Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of Bao Steel,
reinforcing structure design, high intensity bearing,
every drawer can bear over 40kg load
- Also can select High intensity truckle with brake
- Using advanced powder coating technology
with Dupont powder, high anti-erosion
performance, and the surface powder
coating has acquired ROHS certification,
then which can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz
- Outer dimensions :W448 *D550 *H1206mm
- Anti-ESD powder coating (black color)



Cubage:238L
4 drawers

Parameter Chart :

Type	Controlled Humidity (RH)	Average Power (W)	Maximum Power (W)	Anti -ESD Function (Y /N)
DRY238A	20%~60%	18	126	N
DRY238B	10%~20%	18	126	N
DRY238C	1%~10%	20	140	N
DRY238E A	20%~60%	18	126	Y
DRY238E B	10%~20%	18	126	Y
DRY238E C	1%~10%	20	140	Y



Auto Nitrogen Gas Cabinet

Characteristic:

- LED display, the humidity sensor is made by Honeywell Relative humidity deviation is $\pm 3\%RH$
- Using 1mm and 1.2mm cold rolled plate of steel, reinforcing structure design, high intensity bearing
- Using 3.2mm toughened glass
- Zinc alloy lock with pressure press
- High intensity truckle with brake
- Using advanced powder coating technology with Dupont powder, high anti-erosion performance, and the surface powder coating has acquired ROHS certification, the technology which can avoid your stored goods from pollution
- AC power 85V~265V 50/60Hz

Any size or spec are available for our customized Auto Nitrogen Gas Cabinet

- For storing and keeping moisture sensitive device(MSD) and oxygen sensitive device(OSD)
- Fast dehumidifying speed, the humidity of inner cabinet can drop down under 10%RH in several minutes
- Using micro-controller unit(MCU) to acquire digital data and real time control the nitrogen gas supply. When the humidity is below the set point value, the system will switch off the nitrogen gas supply. Once the humidity is higher than the set point value, the system will switch on the nitrogen gas supply. It will economize nitrogen gas.
- Anti-ESD powder coating (black color)



Characteristic and Specification:

- Temperature range: -9.9? ~+70? Temperature display deviation: $\pm 1.0?$
- Humidity range: 0.1%RH~99.9%RH Humidity display deviation: $\pm 3.0?$ RH
- Input voltage: AC85V~265V
- Using high accuracy sensor
- Ultra low power consume design, the power consume is less than 5W.
- May hang it up the wall
- Using 4 inches super high luminance digital LED, which can be seen clearly over 30 meters
- With alarm function if the temperature and humidity are over the max. Or min. limit value, the max. or min. limit values of temperature and humidity can be set freely. After setting the limit value, even if cut off the power, we do not set it again after power on. Alarm mode is high decibel buzzer (>70dB) and inner LED
- With the memorize function of temperature and humidity (it should be selective purchased). It can memorize about 50 hours data of temperature and humidity. After installing the associated drive software on your PC and using the USB data cable, you can monitor the temperature and humidity on real time or read the memorize data out to save or print these memorize data



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