Model: SDA-800S — 20%RH, 820L

Totech (Toyo Living) is the creator of world's first Automatic Drying System invented in 1973.

Super Dry cabinets use the highly-quality and highly reliable Toyo Living engine and has been sold over 700,000 units and used in over 10,000 companies around the world. We also supply various kinds of custom-build cabinet to best suit our client's need.

Description

Developed out of robust acrylic material, the Totech ESDA Series is engineered to achieve 20%~50%RH control. Equipped with an N_2 flow meter and the series can be used to store any stock commonly used in laboratories or electronics in a nitrogen atmosphere. Transparent acrylic cabinet serves clear observation of items stored inside, such as powder, chemicals, antiques,and so on.

Features

❖ Modular design: Totech Acrylic Cabinet is modularly designed dry cabinet. The main modules include dry unit, hygrometer, shelves, castors, humidity&temperature monitoring module. All of the modules can be replaced easily. Totech dry cabinet can be used as long as the cabinet structure is in good condition. Most of our customers can use the Totech dry cabinets for more than 10 years without any problem.
❖ Dry units: 20%RH (can set 20%~50%RH).
❖ Nitrogen flowmeter is equipment as standard.
❖ ESD safe design: Cabinet is with ESD painted acrylic body, aluminum frame, stainless steel shelves and ground wire, well comply with IEC 61340-5-1.
❖ Convenient Operation: Totech acrylic dry cabinet works automatically and continuously. Humidity is shown on hygrometer.
❖ Maintenance free design: Totech acrylic dry cabinet works by dry units. An interlocked fan causes the air to circulate through the dry unit, while passing through the dry unit moisture in the air is absorbed by the zeolite desiccant. During periodic regenerating of the zeolite desiccant by heating, the absorbed humidity is evaporated and exhausted through the external shutters of the dry unit. The process is physical, and no extra maintenance at all.
❖ Lockable doors: Every door can be locked separately with a key.

Applications

Totech Acrylic series is supplied with N_2 flow meter, and can control humidity 20~50%RH dry unit is added and is ideal for moisture-proof and anti-oxidation storage applications, offering protection from corrosion, mold and deterioration.

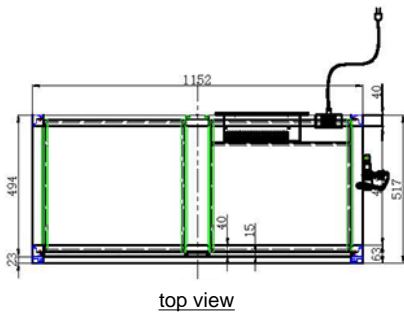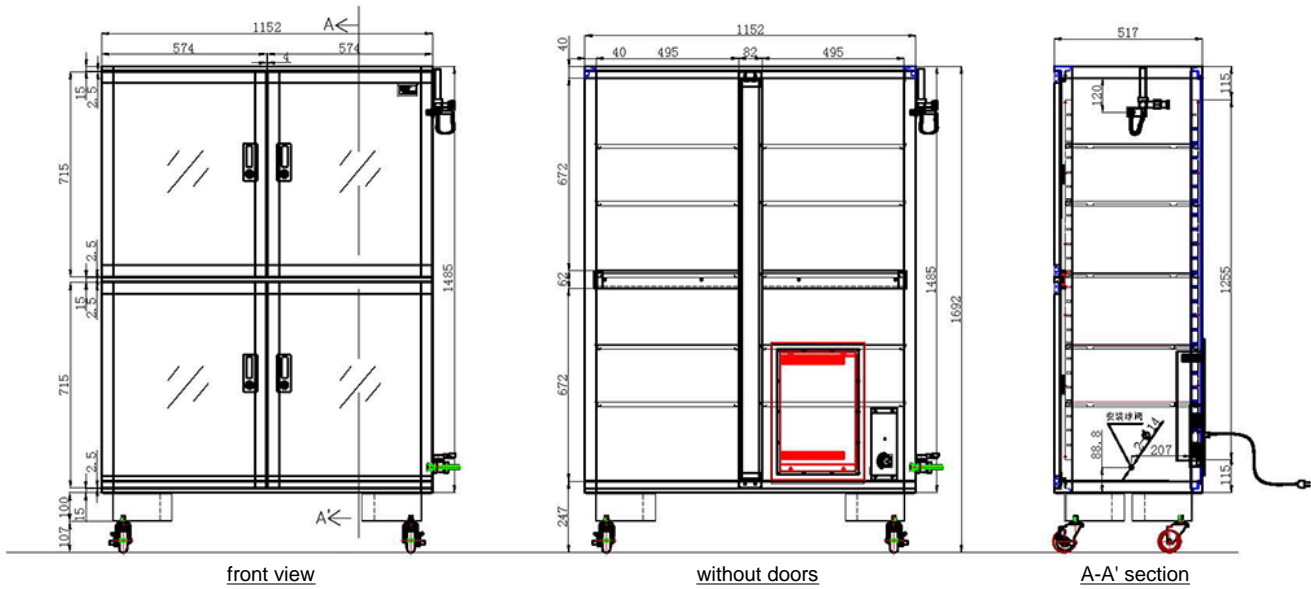|	
60%~50%RH	Books, Antiques, Paper money, Fax machine, Mimeograph paper etc.
55%~40%RH	Cameras, Video cameras, Lenses, Microscopes, Magnifying glasses, Binoculars, Tapes, CDs, Recorder strips, Films, Positive/Negative films, Musical instruments, Stamps, Furs, Chinese herbal medicine, Tea, Coffee, Cigarettes etc.
45%~30%RH	Precision metal mould, Measuring instruments, Electronic parts, PCB boards, Metal powder, Semi-conductor, Medicine raw material etc.
<30%RH	Test specimen, Standard gauge, Seeds, Pollen, Napiform root etc.

SDA-200S has an outstanding performance for drying moisture sensitive components and PCBs as a result of a high performance drying unit. Humidity can be controlled automatically to reach the lowest 20%RH. Transparent design,easy for observation, and light, easy to remove. Nitrogen purging is available.

Specifications

|	
Humidity Range	20%~50%RH
Sensor precision	±3%RH, +/-0.3°C
External dimensions	(W x H x D) 1152 x 1692 x 517 mm
Internal dimensions	(W x H x D) 1140 x 1470 x 487 mm
Weight	85 kg
Capacity	820 L
Shelves (W x D)	10 pcs, adjustable (stainless steel)
Max weight on shelf	20 kg
Structure	acrylic body, aluminum frame
Door	4 pcs, with handles, airtight magnetic sealers
Voltage	220 V AC (110 V AC optional)
Power consumption	Ave. 8W/h
Castors	4pcs, 2 of them with brakes

CE

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www.totechglobal.com

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Drawing of SDA-200S

front view

without doors

A-A' section

top view

❖ Customized models with different dimensions are AVAILABLE.
❖ The max.external dimensions can be made into W1700mm, D960mm, H2000mm.

Unloaded Test
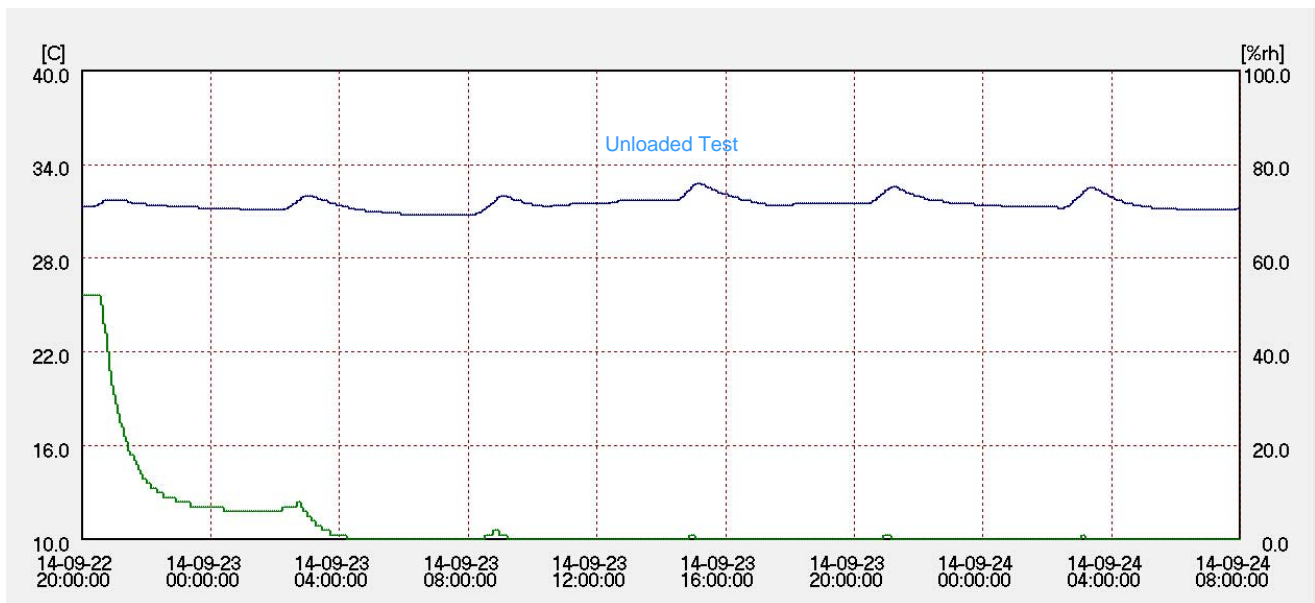
❖ Condition: 2012.08.29 16:40 ~ 2012.08.31 08:00
❖ Instrument: CHINO Data logger, Model: MR6662. Accuracy rating: ± 0.5°C, ±3%RH.

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Model: SDA-800S 20%RH, 820L

Hygrometer

❖ Display humidity and temperature value

37 %RH
18.2℃
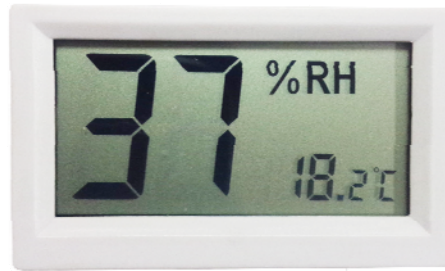
Available options

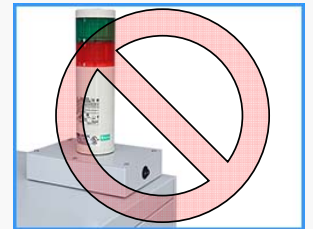| ❖Extra shelf	❖SMD single rack (stainless steel)	❖SMD double rack (stainless steel)	❖Humidity/ Door open alarm buzzer	❖Humidity alarm light
Greatly increase the usable space inside Super Dry	Suitable for storage of components on tape and reel, can pull out on rail	Suitable for storage of components on tape and reel, can pull out on rail	Alarm buzzer sounds when its internal humidity/ door open time exceeds set value	Alarm light flashes and sounds when its internal humidity exceeds set value
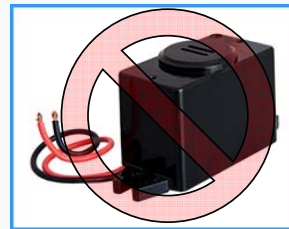
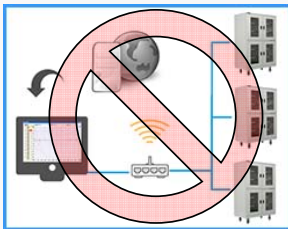| ❖Independent Nitrogen purge system (Model TN2-02)	❖Nitrogen valve (Model: HN2-01)	❖Nitrogen auto purge system (Model AN2-03)	❖Adjustable legs	❖Wrist strap connection
Effective usage of N$_2$ combined with Super Dry, help to accelerate the recovery time and oxidation prevention. Set the buttons on N$_2$ purge system itself	Simple N$_2$ flow meter 0-25L/min adjustable	Effective usage of N$_2$ combined with Super Dry, help to accelerate the recovery time and oxidation prevention. Set on digital control panel	Available for effective stabilization	Allows grounding while handling ESD sensitive materials
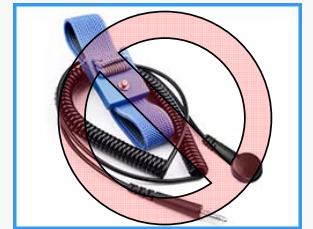
Standard (Nitrogen valve)

❖Data logger with software (model MR6662)	❖Network system for humidity and temperature (including module and software)			❖Castors(4 pcs)
Data logging humidity and temperature, can read and output data by software with a PC	Far distance humidity and temperature monitoring			To move the cabinet on floor easily

Standard (Castors)

CE