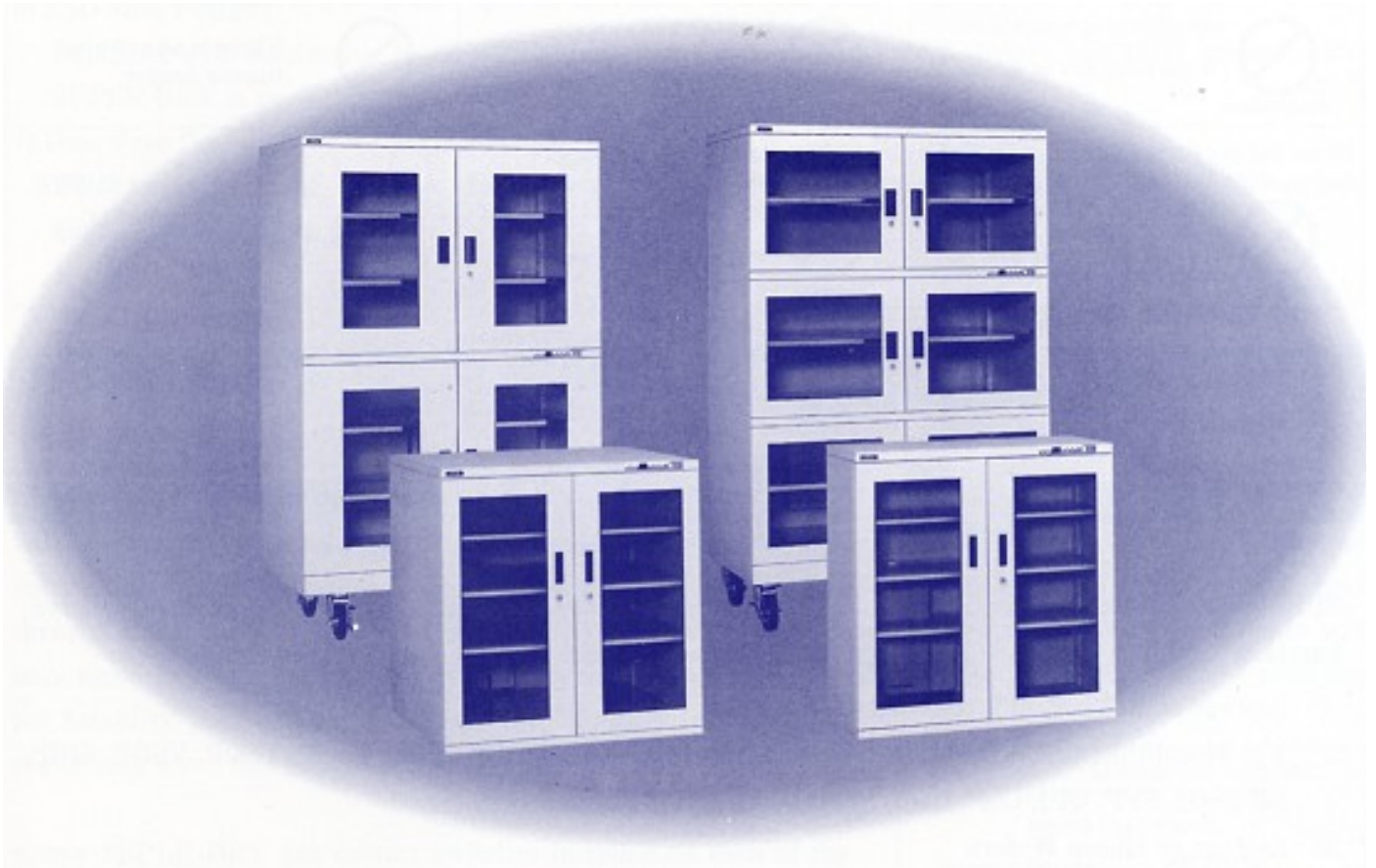


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INSTRUCTION MANUAL

- Thank you for purchasing our **XDRY** Cabinet.
- In order to use this unit properly and safely, please read this INSTRUCTION MANUAL carefully, and consult our representatives in case of any questions regarding your new **XDRY** UNIT.
- Please keep this INSTRUCTION MANUAL with the GUARANTEE CERTIFICATE carefully for future reference.









AUTOMATIC DESICCATOR DRY CABINETS FOR ALL SOLUTIONS
ENERGY SAVING DESIGN







SAFETY GUIDANCE

Please read this SAFETY GUIDANCE carefully to avoid any possible danger of electric shock or damage to unit due to improper use.

WARNING

<p>Unplug unit if there is any smoke or smell coming from it.</p>  Do not try to repair the electric dry unit yourself. Doing so will void your warranty.	<p>Unplug unit in case of a spilled liquid inside it.</p>  Danger of electric shock! <p style="text-align: center;">Unplug</p>	<p>Do not disassemble or reconfigure the electric dry unit.</p>  Risk of electric shock! <p style="text-align: center;">1) Disassemble</p>
<p>Do not put flammable or explosive materials in unit.</p>  Danger of electric shock, fire or damage! <p>Prohibition</p>	<p>Do not operate unit in a damp or wet environment.</p>  Danger of electric shock! <p>Prohibition</p>	<p>Do not damage, twist, pull or place anything heavy on the power cord.</p>  Risk of electric shock! <p>Prohibition</p>

CAUTION

<p>Do not block off the shutter. Always keep the electric unit upright. Do not place the unit on its side or upside down. Danger of fire or damage!</p>  Danger of fire or damage! <p>Prohibition</p>	<p>Do not plug or unplug unit with a wet hand. Make sure to plug it properly. Risk of electric shock!</p>  Risk of electric shock! <p style="text-align: center;">2) Prohibition</p>	<p>Do not stand on unit or place anything heavy on it. Risk of tipping unit, falling or personal injury!</p>  Risk of tipping unit, falling or personal injury! <p>Prohibition</p>
<p>Do not put any flammable or volatile liquids inside unit (e.g. ether, petrol, Lpgas, alcohol etc) Danger of explosion and personal injury!</p>  Danger of explosion and personal injury! <p>Prohibition</p>	<p>Do not place any hydrochloric acid, sulphuric acid or other corrosive chemicals inside unit. Risk of corrosion!</p>  Risk of corrosion! <p>Prohibition</p>	<p>The glass doors of unit may shatter under impact!</p>  Risk of personal injury! <p>Caution</p>

If you have any questions regarding the safe operation of X DRY unit, please contact our representatives or our service center

X DRY cabinets maintains preset internal humidity levels from 1-50% RH and is ideal for moisture-proof and anti-oxidation storage applications, offering protection from corrosion, mold and deterioration for such items as:

- all kinds of Integrated Circuits (IC), like Monolithic, BGA, QFP; PLCC, Bipolar etc.
- Silicon Wafers.
- aerospace related Instruments and Tools.
- Optical Equipment and Machine Tools.
- Watches.
- PDP Inspection Equipment, Liquid Crystal Cleaning Equipment, LCD's, TAC's etc.
- LED's and LD's.

SUPERIOR FEATURES

- **Speedy Dehumidification:** After recycling the drying agent by heat, the interlocked fan inside the electric dry unit starts to operate for about 2 hours to accelerate moisture absorption.
- **Exceptional Recovery Times:** The interlocked fan stops operating when the door is opened to ensure a minimal inflow of outside ambient air. After the doors are closed, the fan begins Operating again to accelerate the moisture absorption inside the **X DRY** unit.
- **Continuous Dehumidification (Multiple Dryer Units Only):** up to three electronic dry units in the HYPER series ensure moisture is absorbed at all times.
- **Flexible Humidity Setting:** Ultra low humidity 1-50% RH can be adjusted in increments of .1 % for different applications.
- **Convenient Digital Control Panel:** Precise humidity setting is easily controlled by a front digital control panel without opening the doors.
- **ESD Safe Design:** Equipped with conductive paint, conductive glass doors, stainless steel shelves and a 1M Ω **ground wire**, All **X DRY** units are perfectly protected from ESD.

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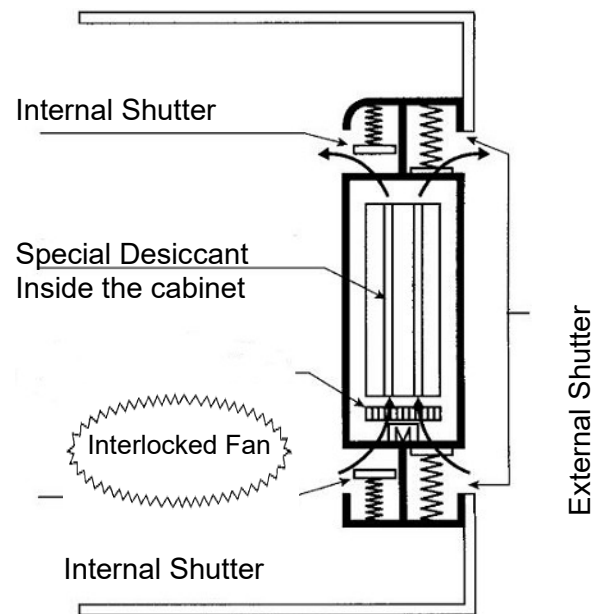
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- Dust Free Design: Urethane casters and stainless steel shelves make **X DRY** especially suitable for use in various kinds of clean rooms.

DEHUMIDIFICATION PROCESS

This unit is a dry cabinet, which relies on a drying agent to control humidity levels. The drying agent will be rejuvenated (recycled) for 40 minutes every 6 hours. The drying agent is completely recyclable and there is no required maintenance. During the recycling period the absorbed moisture will be discharged through the external shutter. After recycling, the shutter will close and the refreshed drying agent will once again absorb moisture inside the dry cabinet. This dehumidification cycle will continue until the set humidity point is achieved. Once the humidity level exceeds the adjusted level, the dehumidification cycle will start again.

Every unit has contact switches installed on each of the doors to control the fan inside the electric unit. The interlocked fan operates for about 2 hours after the drying agent is rejuvenated in order to accelerate moisture absorption. The interlocked fan stops when the door is opened to minimize inflow of ambient air into the unit. The interlock fan will operate for 20 minutes when the doors are closed to speed up moisture absorption inside the cabinet



Do not operate the unit near the shutter of an air-conditioner, places with high temperature, smoke and dust or any place direct to the sun. If necessary underlay the unit with an additional support to ensure a stable positioning and avoid any uneven glass doors.

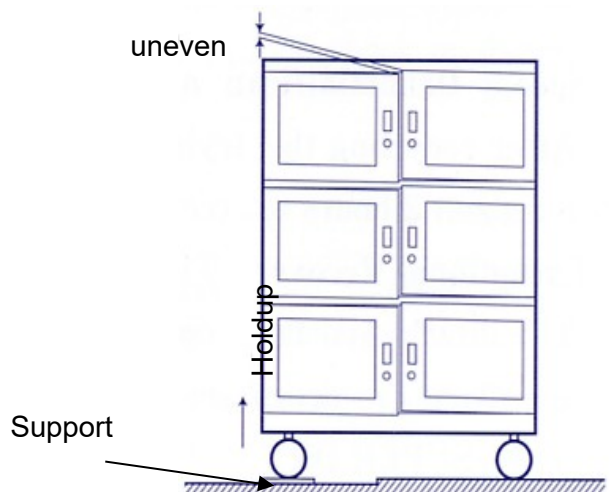
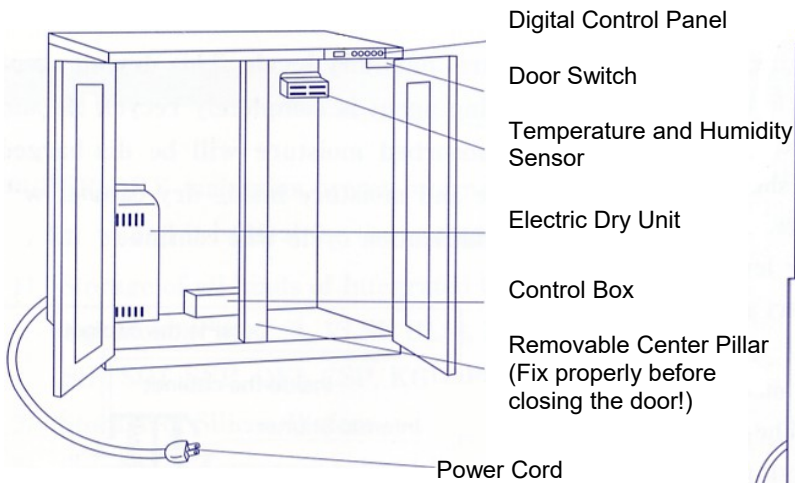
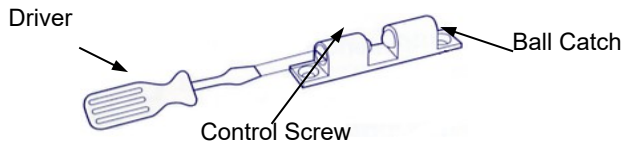


DIAGRAM OF XDRY CABINET

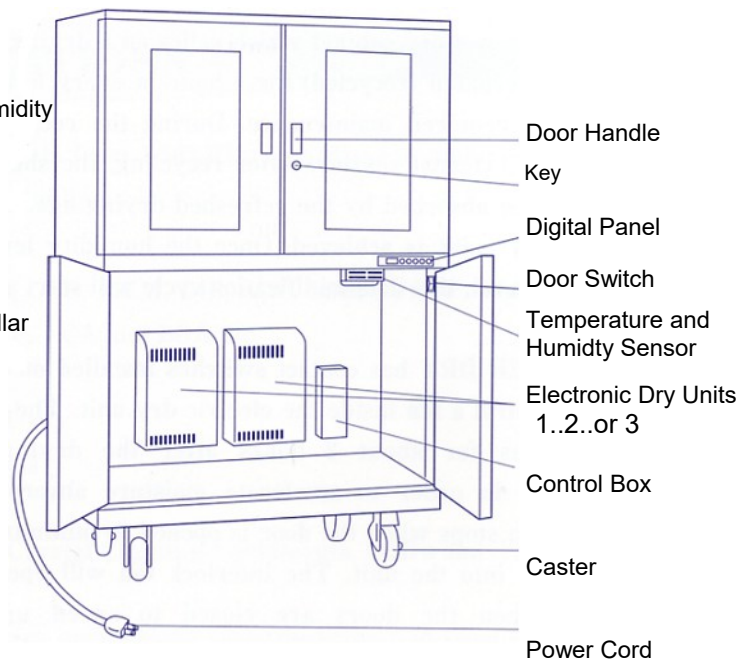
Medium Size



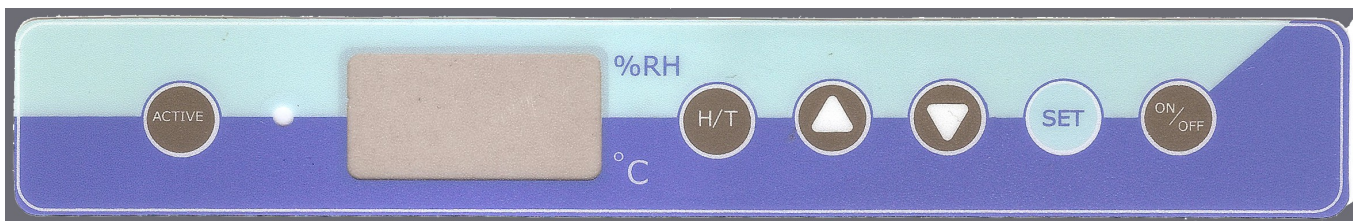
The Control Screw can adjust the ball catch of the sensor support



Large Size



CONTROL PANEL



Recycle Light

LED Display

Humidity/Temperature

UP / DOWN

SET

ON / OFF

-
-

Setting instructions

- 1) Plug in the unit and let it run for one or two days before storing any items.
- 2) Power ON/OFF:
 - Press the “ON/OFF” button, The internal humidity level will be shown on the LED display of the control panel.
 - During the recycling process the “Recycle“ light will be on This light will turn off when dehumidification process finishes.
 - To switch off the unit, press the “ON / OFF” button again.
- 3) Adjusting the humidity level:
 - Press the “SET” button.
Adjust the humidity level in increments of one tenth % by pressing either the “UP” or the “DOWN” button.
 - Press the “SET” button after completing the adjustments. The current humidity level inside the dry cabinet will be shown on the display
- 4) Display the temperature level:
 - Press the “H/T” button
 - The “Temperature” display light will be on, the current internal temperature will be shown on the LED Display.
 - The “Temperature Display Light” will automatically switch off after 5 seconds and the display will show the current internal humidity level.

TROUBLE SHOOTING

Please check the following before seeking service

1) No Display

- Has the XDRY unit been switched on by pressing the “ON/OFF” button?
- Is the XDRY unit properly plugged in?
- Is the fuse or the breaker of the electric dry unit damaged?
- Is there any power?

2) Humidity level does not drop down to the set point.

- Is the humidity point set correctly?
- Is the center pillar of **XDRY** unit properly installed?
- Are the doors of unit properly sealed closed?
- Have the doors of **XDRY** unit been opened frequently?

NOTE: the stored materials and the outside ambient atmosphere will affect the humidity level inside the cabinet. The humidity level will only gradually go down if the stored materials are very damp. The humidity level will not rise above the ambient humidity level, as **XDRY** unit is not equipped with humidification capability.

- * The fuse used for **XDRY** unit will stop operation if the temperature inside the cabinet exceeds 172°C. Please contact our representatives or our service center directly for repair. Do not try to repair the defect. Doing so will void your warranty.
- * Specification is subject to change without prior notice for better quality



Controlled humidity storage solutions
for industry, research & conservation

Specifications

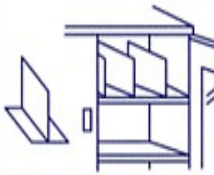
ODEL	HSD-1106-01	HSD-1104-01	SD-1106-02	SD-1104-02	SD-702-02
Humidity Control	Microcomputer Control Type				
Humidity Sensor	Static Electricity Type				
Effective Capacity (L)	1160				680
External Dimensions WxHxD (cm)	120 x 184 x 67				62x184x110
Weight (Kg)	167	162	160	155	110
Material	Steel Body with Anti Static Coating				
Door	Steel Door with Conductive Glass Windows				
Electronic Dry Unit	U-2001FX2		U-2001FX1		
Rated Voltage	AC 100V, 110V, 120V, 220V, 240V (50/60 Hz)*alternative				
Maximum Power	500 W		250 W		
Mean Power Consumption	56W/hr, 40kW/Month		28W/hr, 20.2kW/Month		
Accessories	5 Stainless Shelves and a Key				

MODEL	SD-502-02	SD-302-02	SD-252-02	SD-151-02
Humidity Control	Microcomputer Control Type			
Humidity Sensor	Static Electricity Type			
Effective Capacity (L)	510	340	252	145
External Dimensions WxHxD (cm)	88x90x74	50x123x64	88x90x38	50x63x58
Weight (Kg)	60	60	39	29
Material	Steel Body with Anti Static Coating			
Door	Steel Door with Conductive Glass Windows			
Electronic Dry Unit	U-2001FX1		U1401FX1	
Rated Voltage	AC 100V, 110V, 120V, 220V, 240V (50/60 Hz)*alternative			
Maximum Power	250 W		175 W	
Mean Power Consumption	28W/hr, 20.2kW/Month		21W/hr, 15.1 kW/Month	
Accessories	3Stainless Shelves, a Key	7Stainless Shelves, a Key	5 Stainless Shelves and a Key	

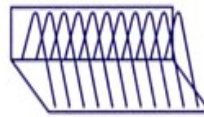
OPTIONS



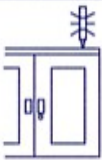
Extra shelves for all models are available to customize **XDRY** cabinets more effectively.



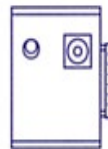
Dividers inserted on a shelf help to organize the cabinet in different configurations.



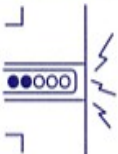
Reel Rack helps to place tapes or reel components.



Humidity Alarm Light flashes when the internal RH level exceeds its setting point.



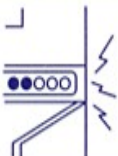
Various optional N2 equipment provides a more effective use of XDRY cabinets.



Casters and Anchoring Legs are available for flexible movement or effective stabilization.



Wrist Strap Connection allows grounding prior to handling ESD sensitive Inventory.



Other options and custom orders are available, please contact our representatives for details

XDRY CORPORATION

8275 SOUTH EASTERN AVE, SUITE 200

LAS VAGAS, NEVADA , 89123

1-877-379-2224

Fax 1-514-685-3406

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GUARANTIE CERTIFICATE

XDRY promises to repair the electronic dry unit mentioned below without any charges within the guarantee period. This GUARANTEE CERTIFICATE will not be issued again, please keep it carefully.