

RUGGARD EDC-80L

Ruggard Electronic Dry Cabinet (80L) Instruction Manual

Model: EDC-80L | Brand: RUGGARD

INTRODUCTION

The Ruggard Electronic Dry Cabinet is designed to protect sensitive equipment such as cameras, lenses, photographic and optical instruments, mobile electronics, and other valuables from the damaging effects of excessive moisture, dirt, and dust. Utilizing a fast-acting TE Cooling Wafer, this cabinet precisely regulates the interior's relative humidity, helping to prevent corrosion and mold growth that can harm delicate gear. Its silent, dripless operation ensures a hassle-free environment for your valuable items.



Figure 1: The Ruggard Electronic Dry Cabinet (80L) with various camera equipment stored inside, showcasing its transparent door and internal organization.

SAFETY INFORMATION

- Ensure the cabinet is placed on a stable, level surface to prevent tipping.
- Do not block the ventilation openings on the back or sides of the cabinet.
- Keep the power cord away from heat sources and sharp edges.
- Do not operate the cabinet with a damaged power cord or plug.
- Avoid placing liquids inside the cabinet.
- The cabinet is designed for indoor use only.
- Keep keys out of reach of children to prevent unauthorized access to contents.

PACKAGE CONTENTS

Please verify that all the following components are included in your package:

- Ruggard Electronic Dry Cabinet (80L)
- Multi-Voltage Power Supply
- Adjustable Steel Shelves (2)

- Foam Liners (2)
- Shelf Brackets (4)
- Door Lock Keys (2)



Figure 2: The Ruggard Electronic Dry Cabinet with its door open, showing the interior, and the adjustable shelf, foam liner, and shelf brackets laid out next to it.

SETUP

1. **Unpacking:** Carefully remove the dry cabinet and all accessories from the packaging. Inspect for any damage.
2. **Handle Installation:** If the door handle is not pre-installed or is on the inside, attach it to the exterior of the door using the provided screws. Ensure it is securely fastened.
3. **Shelf Installation:** Insert the shelf brackets into the desired slots on the interior sides of the cabinet. Place the adjustable steel shelves on top of the brackets. You can adjust the height of the shelves to accommodate items of various sizes. Place the foam liners on the shelves to protect your equipment.
4. **Leveling:** The cabinet features four feet, two of which are leveling feet. Adjust these feet as needed to ensure the cabinet is stable and level on your chosen surface.
5. **Power Connection:** Connect the multi-voltage power supply to the cabinet's power input port, typically located at the back or top. Plug the power supply into a suitable electrical outlet (110 to 240 VAC, 50/60 Hz).
6. **Initial Operation:** Upon plugging in, the LCD screen will illuminate, displaying the current internal temperature and relative humidity. Allow the cabinet to operate for 1-3 hours with the door closed to stabilize the internal humidity before storing sensitive items.



Figure 3: The multi-voltage power supply for the Ruggard Electronic Dry Cabinet, showing its plug and connector.

OPERATING INSTRUCTIONS

- **Power On/Off:** The cabinet powers on automatically when plugged in. There is no separate power button. To turn off, unplug the power supply.
- **Humidity Control:**
 - The large LCD screen displays the current internal temperature and relative humidity (RH).
 - Use the **UP** and **DOWN** arrow buttons on the control panel to adjust the desired relative humidity level. The range is typically 35% to 60% RH.
 - Press the **SET** button to confirm your selection. The cabinet will then work to achieve and maintain the set humidity level.
- **Temperature Display:** The LCD screen displays temperature in either Fahrenheit or Celsius. Use the dedicated F/C button (if available, or typically part of the SET/MODE button functionality) to toggle between the two units.
- **Interior LED Lighting:** The cabinet features interior LED lights for better visibility. Locate the light button on the control panel (often labeled with a light bulb icon) to turn the lights on or off.
- **Locking Mechanism:** The door is equipped with a keyed lock. Use the provided keys to lock or unlock the cabinet, securing your valuable contents and preventing unauthorized access.



Figure 4: The Ruggard Electronic Dry Cabinet with its door open, revealing the organized interior with camera gear and the digital control panel at the top.

MAINTENANCE

- **Cleaning the Exterior:** Wipe the exterior surfaces with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the finish.
- **Cleaning the Interior:** The interior can be wiped down with a dry or slightly damp cloth. Ensure the cabinet is unplugged before cleaning the interior.
- **Cleaning the Glass Door:** Use a glass cleaner and a soft cloth to clean the glass door.
- **No Water Tray:** This dry cabinet is dripless and does not require a water tray or draining, simplifying maintenance.
- **Regular Inspection:** Periodically check the door gasket for any signs of wear or damage to ensure a proper seal, which is crucial for maintaining humidity levels.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Cabinet not powering on.	Power cord not connected or outlet issue.	Ensure power supply is securely plugged into the cabinet and a working electrical outlet.
Humidity not decreasing.	Door not sealed properly; ambient humidity too high; cabinet overloaded.	Check door seal and ensure it's fully closed. Avoid frequent opening. If ambient humidity is extremely high, it may take longer to reach target. Do not overload the cabinet.
Inaccurate humidity/temperature reading.	External factors or sensor calibration.	Allow cabinet to stabilize for several hours. If discrepancies persist, consider using an independent hygrometer inside for comparison. Note that the internal display may have a slight variance.
Interior lights not working.	Light function off or LED issue.	Press the light button on the control panel. Ensure the cabinet is powered on.

SPECIFICATIONS

Feature	Detail
Volume Capacity	80 Liters (2.8 ft³)
Humidity Control Range	35% to 60% Relative Humidity (RH)
Security	Key Lock
Control Interface	LCD Display (Temperature & Humidity)
AC Input Power	110 to 240 VAC, 50 / 60 Hz
Power Consumption	<8 W
Construction	Glass, Steel
Interior Dimensions (W x H x D)	21.1 x 17.7 x 13" (53.6 x 45 x 33 cm)
Exterior Dimensions (W x H x D)	21.3 x 20.3 x 14.3" (54.1 x 51.6 x 36.3 cm)
Item Weight	29.5 lb (13.4 kg)
Special Features	Virtually Silent Operation, Portable, Automatic Moisture Removal, Interior LED Lighting



Figure 5: Diagram showing the exterior dimensions of the Ruggard Electronic Dry Cabinet (80L).

WARRANTY AND SUPPORT




For warranty information or technical support, please refer to the warranty card included with your product or contact Ruggard customer service directly. Contact details can typically be found on the manufacturer's official website or on the product packaging.

PRODUCT VIDEOS

No official seller-created product videos are available for this model at this time.

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Related Documents - EDC-80L

	<p>Ruggard Electronic Dry Cabinet User Manual and Specifications</p> <p>Explore the Ruggard Electronic Dry Cabinet, designed to protect sensitive equipment from moisture. This manual covers features, operation, specifications, and warranty information for various models.</p>
	<p>Ruggard Electronic Dry Cabinet User Manual and Specifications</p> <p>Comprehensive guide to Ruggard Electronic Dry Cabinets, detailing features, model specifications (EDC-18L to EDC-600L), optimal humidity levels for various items, and the five-year limited warranty from Gradus Group.</p>
	<p>Ruggard Electronic Dry Cabinet User Manual and Specifications</p> <p>Comprehensive guide to Ruggard Electronic Dry Cabinets, covering features, operation, precautions, specifications, and warranty for models like EDC-18, EDC-30, EDC-50, EDC-80, EDC-125, EDC-180, EDC-230, EDC-600, EDC-850, and EDC-1280.</p>



[Ruggard Electronic Dry Cabinet User Manual and Specifications](#)

Comprehensive guide to Ruggard Electronic Dry Cabinets, covering features, operation, specifications, and warranty information for models like EDC-230LC.



[Ruggard PDC9-BRS Portable Dry Case with Dehumidifier - User Guide and Specifications](#)

Discover the Ruggard PDC9-BRS Portable Dry Case, a 9.6 L solution for protecting sensitive equipment like cameras and electronics from moisture. This guide details its specifications, features, and a ninety-day limited warranty.



[Ruggard Camera Saddle \(Large\) VIS-LG - User Guide and Specifications](#)

Comprehensive guide to the Ruggard Camera Saddle (Large) VIS-LG, detailing its features, setup, usage for video shooting, specifications, and warranty information. Designed for photographers and videographers seeking stable camera support.