

RUGGARD EDC-180LC

Ruggard EDC-180LC Electronic Dry Cabinet User Manual

Model: EDC-180LC

1. INTRODUCTION

The Ruggard EDC-180LC Electronic Dry Cabinet is designed to protect sensitive equipment such as cameras, lenses, photographic and optical instruments, and mobile electronics from excessive moisture, dirt, and dust. This cabinet features dual humidity zones, allowing for independent humidity control in the upper and lower compartments.

Its fast-acting TE Cooling Wafer technology regulates the interior's relative humidity from 60% down to 35%, effectively preventing corrosion and damage to delicate items. Humidity adjustments typically occur within a 1- to 3-hour period. The cabinet operates silently, without a fan or compressor, and eliminates the need for a water tray.



Figure 1.1: The Ruggard EDC-180LC Electronic Dry Cabinet in its closed state, showcasing the dual-zone design and integrated LCD displays.

2. SAFETY INFORMATION

- Read all instructions before operating the dry cabinet.
- Do not expose the cabinet to direct sunlight, high temperatures, or high humidity environments.
- Ensure the cabinet is placed on a stable, level surface to prevent tipping.
- Do not block the ventilation openings on the cabinet.
- Only use the provided multi-voltage power supply.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Ruggard EDC-180LC Electronic Dry Cabinet
- 5 x Adjustable Sliding Plastic Shelves
- 6 x Fitted Padded Shelf Liners
- 10 x Sliding Shelf Brackets
- Multi-Voltage Power Supply
- Combination Lock Pin (for setting combination)





Figure 3.1: The dry cabinet with its doors open, revealing the adjustable shelves, padded liners, and shelf brackets.

4. SETUP

4.1 Placement

1. Choose a stable, level surface for the dry cabinet.
2. Adjust the four leveling feet at the bottom of the cabinet to ensure stability and prevent unwanted movement. Two of the feet are specifically designed for leveling.
3. Ensure adequate ventilation around the cabinet, especially near the top and bottom rear vents.



Figure 4.1: Top-down view of the cabinet, highlighting the ventilation grilles and the adjustable leveling feet for stable placement.

4.2 Shelf Installation

1. Open the cabinet doors.
2. Insert the sliding shelf brackets into the desired slots on the interior side walls of the cabinet.
3. Place the adjustable plastic shelves onto the installed brackets.
4. Position the padded shelf liners onto each shelf to protect your equipment.

4.3 Power Connection

1. Connect the multi-voltage power supply to the power input port located at the rear of the cabinet.
2. Plug the power supply into a suitable electrical outlet.



Figure 4.2: The multi-voltage power supply unit provided with the dry cabinet.

4.4 Combination Lock Setup

Each door features a three-digit combination lock. To set your personal combination:

1. With the lock in the open position (factory default is typically 0-0-0), locate the small reset button or pinhole on the side of the lock mechanism.
2. Using the provided combination lock pin or a thin pointed object, press and hold the reset button.
3. While holding the button, set your desired three-digit combination by rotating the dials.
4. Release the reset button. Your new combination is now set. Test the combination before closing the door.
5. There are over 900 possible combinations per lock.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Each humidity zone (upper and lower) has an independent power switch located near its respective control panel. Press the power switch to turn the zone on or off.

5.2 Setting Humidity Levels

The EDC-180LC features dual-zone climate control, allowing you to set different humidity levels for the upper and lower compartments independently. Each zone has its own control panel and LCD display.

1. Locate the control panel for the desired zone (upper or lower).
2. The LCD screen displays the current ambient temperature (in Fahrenheit or Celsius) and the relative humidity within that zone.
3. Use the control buttons (typically labeled 'SET', 'UP', 'DOWN') to adjust the target relative humidity. Refer to

the specific button functions on your unit's control panel.

4. The cabinet will automatically work to achieve and maintain the set humidity level. Humidity adjustments can take 1 to 3 hours to stabilize.



Figure 5.1: A graphic illustrating the dual-zone humidity control feature and the easy-to-read LCD display for setting and monitoring humidity and temperature.

5.3 Using Interior LED Lighting

The cabinet is equipped with interior LED lights to improve visibility and make it easier to locate items. A switch for the LED lights is typically located near the control panel for each zone. Toggle the switch to turn the lights on or off.



Figure 5.2: The dry cabinet with its doors open, showcasing various items stored inside, illuminated by the interior LED lights.

6. MAINTENANCE

6.1 Cleaning

- Disconnect the power supply before cleaning.
- Wipe the exterior of the cabinet with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Clean the interior shelves and padded liners as needed.
- Ensure the cabinet is completely dry before reconnecting power.

6.2 Door Seal Inspection

Periodically inspect the door gaskets for any signs of wear or damage. A proper seal is crucial for maintaining consistent humidity levels within the cabinet and protecting against dust and dirt.

7. TROUBLESHOOTING

- **Cabinet Not Powering On:** Ensure the power supply is securely connected to both the cabinet and a working electrical outlet. Check the independent power switches for each zone.
- **Humidity Not Changing:** Verify that the desired humidity level is set correctly on the control panel. Allow 1 to 3 hours for the humidity to stabilize. Ensure the cabinet doors are fully closed and the door seals are intact.
- **Inaccurate Humidity/Temperature Display:** If you suspect the readings are incorrect, ensure the cabinet is not exposed to extreme external conditions. Allow the unit to operate for several hours to stabilize.
- **Combination Lock Issues:** If you forget your combination, refer to the lock manufacturer's instructions or contact Ruggard customer support for assistance.

For further assistance, please refer to the Ruggard website or contact customer support.

8. SPECIFICATIONS


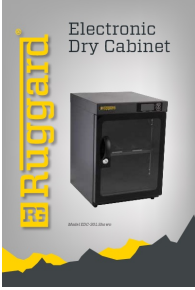

Feature	Specification
Model Name	EDC-180LC
Brand	RUGGARD
Capacity	180 Liters (approximate)
Humidity Control Range	60% to 35% Relative Humidity
Humidity Adjustment Time	1 to 3 hours
Dehumidification Method	TE Cooling Wafer (Electronic)
Zones	Dual, independently controlled
Display	LCD (Temperature in °F/°C, Relative Humidity)
Security	Three-digit combination locks on each door
Shelves	5 x Adjustable Sliding Plastic Shelves with Padded Liners

Feature	Specification
Interior Lighting	LED
Material	Glass, Steel
Exterior Dimensions (W x H x D)	15 x 53 x 15.4 inches (38.1 x 134.6 x 39.1 cm)
Interior Dimensions (Top Section, W x H x D)	14.9 x 21.4 x 14.1 inches (37.8 x 54.4 x 35.8 cm)
Interior Dimensions (Bottom Section, W x H x D)	14.9 x 27.1 x 14.1 inches (37.8 x 68.8 x 35.8 cm)
Item Weight	58.4 pounds (26.5 kg)
Power Supply	Multi-voltage (included)
UPC	847628562721

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, please refer to the warranty card included with your product or visit the official Ruggard website. For technical support or service inquiries, please contact Ruggard customer service through their official channels.

Related Documents - EDC-180LC

	<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, specifications, and warranty information for models like EDC-230LC.</p>



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

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.



[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.