

## FEDOUR M9

# FEDOUR 600W Titanium Aquarium Heater with Digital Controller User Manual

## 1. INTRODUCTION

Thank you for choosing the FEDOUR 600W Titanium Aquarium Heater. This submersible heater is designed to maintain a stable temperature in your fish or turtle tank, suitable for both freshwater and saltwater environments. It features a digital controller for precise temperature adjustments and multiple safety mechanisms to protect your aquatic pets.



Image: The FEDOUR Titanium Aquarium Heater is suitable for a wide range of applications, including freshwater, saltwater, and turtle tanks.

## 2. SAFETY INFORMATION

- **Full Submersion Required:** This aquarium heater must be fully submerged in water for safe and proper operation. Operating it partially or completely out of water can cause damage to the unit and pose a safety risk.

- **Overheating Protection:** The heater is equipped with an automatic shut-off feature. If the water temperature exceeds 93°F (34°C), the heater will automatically stop heating to prevent harm to aquatic life.
- **Out of Water Protection:** If the heater is partially exposed to air or removed from the water, it will automatically cease heating and display an "Er" error code on the digital controller.
- Always unplug the heater from the power outlet before performing any maintenance, cleaning, or handling the heater.
- Ensure your hands are dry when plugging in or unplugging the heater.
- Do not use the heater if the power cord or plug is damaged.
- Keep out of reach of children.

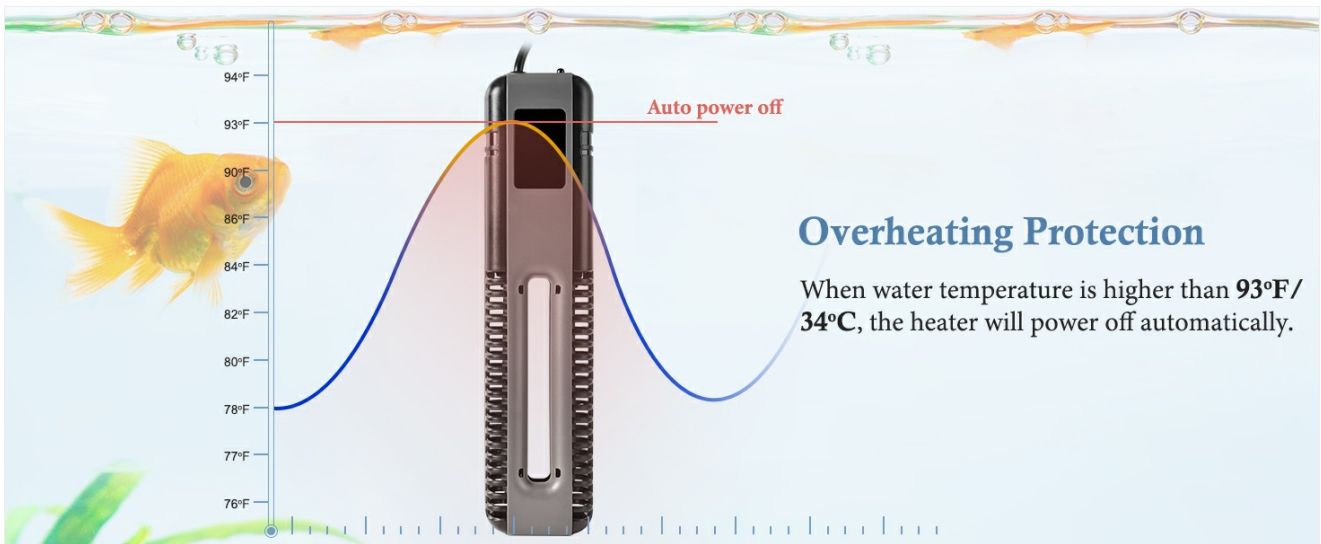


Image: The heater automatically powers off if the water temperature exceeds 93°F/34°C, preventing overheating.



Image: The digital controller displays 'Er' and stops heating if the heater is not fully submerged in water.

### 3. PACKAGE CONTENTS

Verify that all components are present and in good condition:

- FEDOUR Titanium Aquarium Heater (600W unit)
- External Digital Temperature Controller
- Suction Cups (5 pieces)
- User Manual (this document)



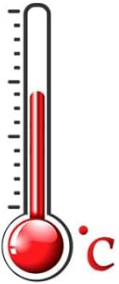
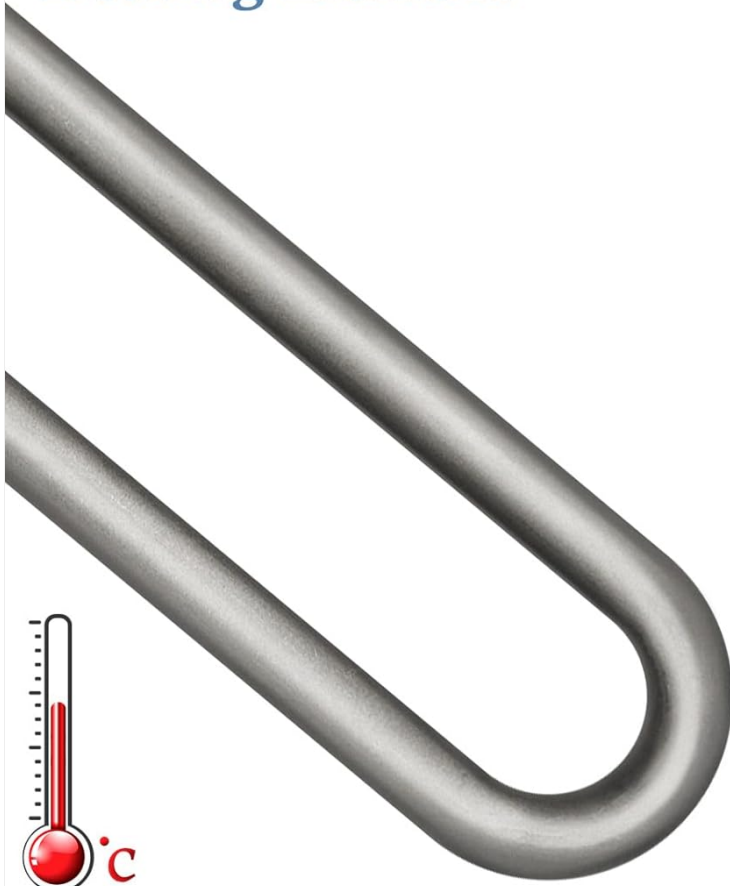
Power	Voltage	Size	Recommended Tank	Temperature range	Length of Cable
600W	110-120V/60Hz	11.4* 2.6*1.4in	Up to 160Gal	64.0°F~93.0°F	5.6FT+3.3FT /1.7M+1M
800W		(29*6.6*3.5cm)	UP to 220Gal	(18.0°C~34.0°C)	

Image: The package includes the heater, external digital controller, power cord, and suction cups.

#### 4. PRODUCT FEATURES

- **Titanium Alloy Heating Element:** Constructed from high-quality titanium alloy for enhanced strength, corrosion resistance, and stable, rapid heating.
- **External Digital Temperature Controller:** Allows for convenient and safe temperature adjustment outside the tank.
- **LED Digital Display:** Clearly shows the set temperature, real-time water temperature, and current heating power.
- **Heating Indicator Light:** Red light indicates continuous heating; Green light indicates heating is complete.
- **Overheating Protection:** Automatically stops heating if water temperature exceeds 93°F (34°C).
- **Out of Water Protection:** Automatically stops heating and displays "Er" if not fully submerged.
- **Dual Temperature Probes:** Ensures sensitive and accurate water temperature detection for precise heating.
- **Memory Function:** Retains previous temperature settings after a power outage, eliminating the need for manual reset.

# Upgrade Titanium Alloy Heating Element



Corrosion-resistant



More Sturdy and Stable



Faster Heating

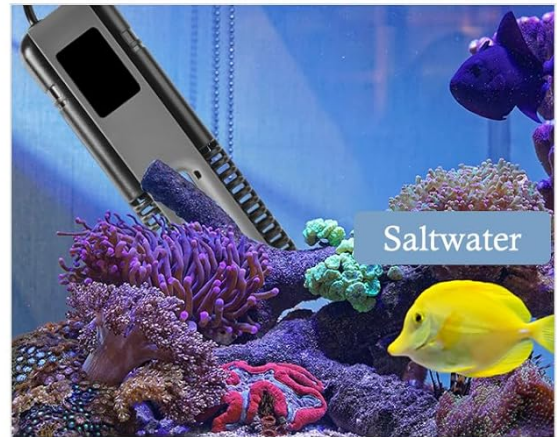


Image: The upgraded titanium alloy heating element offers corrosion resistance, sturdiness, and faster heating.

## 5. SETUP

1. **Placement:** Position the heater fully submerged in the aquarium. It can be installed diagonally or horizontally. Ensure it is placed in an area with good water circulation for even heat distribution.

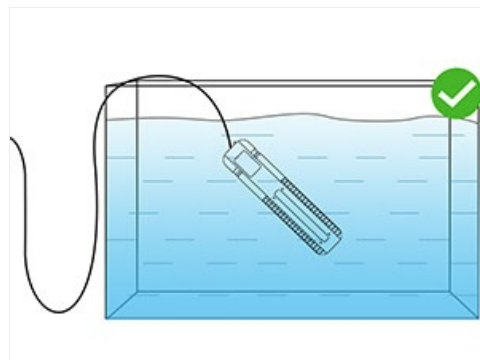


Image: The heater must be completely submerged in water and can be installed diagonally or horizontally.

Image: Install the aquarium heater in a place with good water circulation.

2. **Mounting:** Use the provided suction cups to securely attach the heater to the inside wall of your aquarium.
3. **Controller Placement:** Place the external digital temperature controller in a dry location outside the aquarium, ensuring it is easily accessible for adjustments.
4. **Power Connection:** Plug the heater's power cord into a standard electrical outlet.
5. **Important Note:** Do not bury the heater in sand or filter materials, as this can impede its function and lead to overheating.

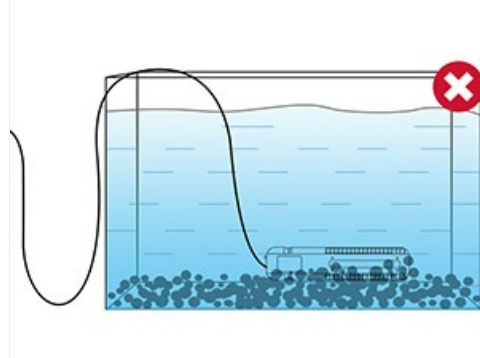


Image: Do not bury the fish heater in sand or filter materials.

## 6. OPERATING INSTRUCTIONS

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1. **Power On:** Once plugged in, the digital display will illuminate.
2. **Setting Temperature:** Press the **SET BUTTON** on the external controller to enter temperature setting mode. Use the up/down arrows (if present, or repeated presses of SET button depending on model) to adjust the desired temperature. The temperature range is 64-93°F (18-34°C).
3. **Switching Temperature Units:** Press and hold the **SET BUTTON** to switch between Fahrenheit (°F) and Celsius (°C).
4. **Understanding the Display:**
  - "SET TEMP": Displays the temperature you have set.
  - "NOW TEMP": Displays the real-time water temperature.
  - "W": Displays the real-time heating power.
  - **Indicator Light:** A red light indicates the heater is actively heating. A green light indicates the set temperature has been reached and heating is complete.

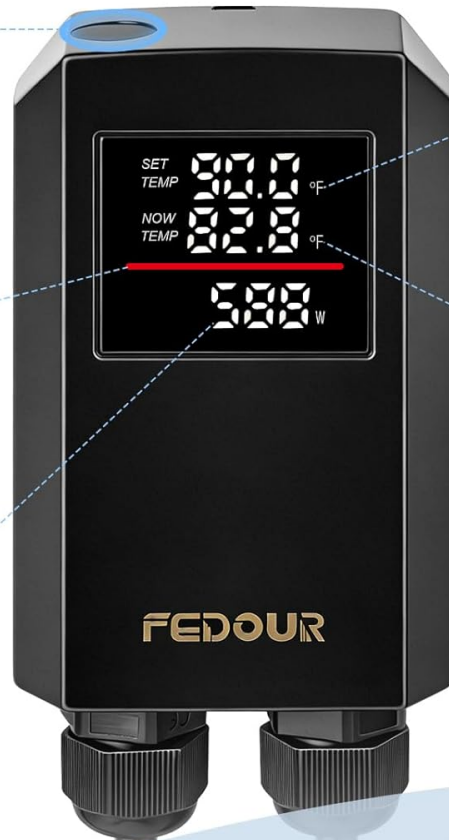
# Digital Temperature Display

SET BUTTON

Heating indicator light

Red - Heating  
Green - Heating completed

Real-time heating power



The temperature you set

Real-time temperature

## External Temperature Controller

Press the SET BUTTON to set the temperature, press and hold to switch between °F and °C, convenient and won't get your hands wet.

Image: The external digital temperature controller displays set temperature, real-time temperature, and heating power. The indicator light shows heating status (red for heating, green for complete).

- 5. Memory Function:** In the event of a power outage, the heater will retain its last set temperature once power is restored, eliminating the need to reset.



Image: The memory function ensures the heater maintains previous settings after a power failure.

- **Regular Cleaning:** Periodically clean the heater surface to prevent algae and mineral buildup, which can affect heating efficiency. Always unplug the heater and allow it to cool before removing it from the tank for cleaning. Use a soft brush or cloth and aquarium-safe cleaning solutions if necessary.
- **Inspect for Damage:** Regularly inspect the heater unit, power cord, and controller for any signs of damage, cracks, or wear. If any damage is found, discontinue use immediately and contact customer support.
- **Check Suction Cups:** Ensure the suction cups remain firmly attached to the tank wall. Replace them if they lose their grip.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Controller displays "Er"	Heater is not fully submerged in water.	Ensure the heater is completely underwater. The "Er" code will clear once fully submerged.
Heater not heating (green light on)	Water temperature has reached the set temperature.	This is normal operation. If you desire a higher temperature, adjust the set temperature upwards.
Heater not heating (no light/red light off)	Power outage or heater unplugged. Water temperature exceeds 93°F (34°C). Faulty unit.	Check power connection. Allow water to cool naturally or verify set temperature. Contact customer support if problem persists.
Inaccurate temperature reading	Poor water circulation around the heater's probes. Sensor malfunction.	Relocate the heater to an area with better water flow. Compare with a separate thermometer. If consistently inaccurate, contact support.

## 9. SPECIFICATIONS

Feature	Detail
Power	600W
Voltage	110-120V/60Hz
Heater Dimensions	11.4 x 2.6 x 1.4 inches (29 x 6.6 x 3.5 cm)
Recommended Tank Size	Up to 160 Gallons (600 Liters)
Temperature Range	64-93°F (18-34°C)
Power Cord Length	5.6 FT (Heater to Controller) + 3.3 FT (Controller to Plug) / 1.7M + 1M
Model Number	M9
Manufacturer	IBAY
Country of Origin	China

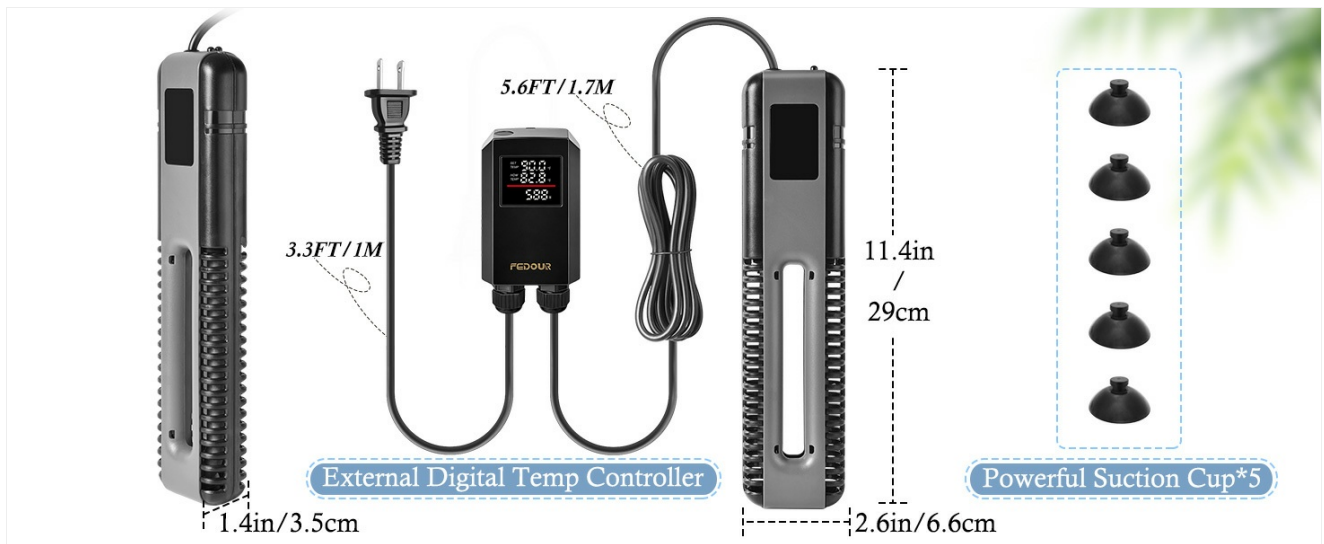


Image: Detailed specifications for the FEDOUR Titanium Aquarium Heater.

## 10. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your FEDOUR Titanium Aquarium Heater, please contact the manufacturer directly.

- **Manufacturer:** IBAY
- **Email Support:** [aquaservice@163.com](mailto:aquaservice@163.com), [aquaservice@yeah.net](mailto:aquaservice@yeah.net)

Please have your model number (M9) and purchase details ready when contacting support.