

Humminbird 7300101

Humminbird 7300101 TG W Temperature Sensor Instruction Manual

Model: 7300101

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Humminbird 7300101 TG W Temperature Sensor. This sensor is designed to provide accurate water surface or live-well temperature readings for compatible Humminbird fishfinders and marine electronics.

PACKAGE CONTENTS

Before beginning installation, please verify that all components are present:

- Humminbird 7300101 TG W Temperature Sensor with 20 feet of cable
- Mounting Hardware
- 1 x 3.5mm Jack

SETUP AND INSTALLATION

Proper installation is crucial for accurate temperature readings. Follow these steps carefully:

1. **Choose a Mounting Location:** Select a location for the sensor that will provide accurate water temperature readings. For surface temperature, mount the sensor where it will be consistently submerged in the water flow. For live-well temperature, mount it inside the live-well. Ensure the location is free from obstructions and away from heat sources.
2. **Secure the Sensor:** Use the provided mounting hardware to securely attach the sensor in the chosen location. Ensure the sensor head is fully exposed to the water.
3. **Route the Cable:** Carefully route the 20-foot cable from the sensor to your compatible Humminbird unit. Avoid sharp bends, kinks, or routing near power cables that could cause interference. Secure the cable using cable ties or clips to prevent damage.
4. **Connect to Humminbird Unit:** Plug the 3.5mm jack connector of the temperature sensor cable into the designated temperature input port on your Humminbird fishfinder or marine electronic unit. Refer to your Humminbird unit's manual for the exact port location.

5. **Test the Connection:** Power on your Humminbird unit and navigate to the temperature display. Verify that a temperature reading is displayed. If no reading appears, recheck all connections.



Image 1: The Humminbird 7300101 TG W Temperature Sensor, showing the coiled 20-foot cable, the sensor probe, and the 3.5mm jack connector. This image illustrates the main components included for installation.

OPERATING INSTRUCTIONS

Once installed, the Humminbird 7300101 TG W Temperature Sensor operates automatically with your compatible Humminbird unit.

- **Automatic Detection:** The sensor is typically detected automatically by your Humminbird unit upon connection and power-up.
- **Temperature Display:** The water temperature will be displayed on your unit's screen, often as part of the main sonar or chart view, or in a dedicated data overlay. Consult your Humminbird unit's manual for specific display options and settings.
- **Temperature Range:** The sensor is designed to monitor temperatures within a range of 25 to 99.9 degrees Fahrenheit.
- **Accuracy:** For optimal accuracy, ensure the sensor is fully submerged and not exposed to air or direct sunlight, which can affect readings.

MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your temperature sensor.

- **Cleaning:** Periodically inspect the sensor probe for marine growth, dirt, or debris. Gently clean the sensor with a soft cloth and fresh water. Avoid abrasive cleaners or tools that could damage the sensor surface.
- **Cable Inspection:** Check the sensor cable for any signs of wear, cuts, or damage. Ensure all connections are secure and free from corrosion.
- **Storage:** If storing your boat or unit for an extended period, ensure the sensor and cable are clean and dry.

TROUBLESHOOTING

If you encounter issues with your temperature sensor, consider the following:

- **No Temperature Reading:**
 - Ensure the sensor cable is securely plugged into the correct port on your Humminbird unit.
 - Check the cable for any visible damage or breaks.
 - Verify that your Humminbird unit is compatible with the 7300101 sensor.
 - Confirm the sensor is properly submerged in water.
- **Inaccurate Temperature Reading:**
 - Clean the sensor probe to remove any fouling or debris.
 - Ensure the sensor is not exposed to direct sunlight or other heat sources that could artificially inflate readings.
 - Verify the sensor is fully submerged and not partially exposed to air.

If problems persist after following these steps, contact Humminbird customer support for further assistance.

SPECIFICATIONS

- **Model:** 7300101
- **Function:** Water Temperature Monitoring
- **Cable Length:** 20 feet
- **Temperature Range:** 25 to 99.9 degrees Fahrenheit
- **Connectivity:** 3.5mm Jack (Note: USB connectivity mentioned in some product data refers to the main unit, not this sensor itself)
- **Included Components:** Temperature Sensor, 20 ft Cable, Mounting Hardware, 3.5mm Jack
- **Compatibility:** Refer to your Humminbird unit's manual for specific compatibility. Compatible with various Matrix, Piranha, PiranhaMAX, and Fishfinder series units.

WARRANTY INFORMATION

The Humminbird 7300101 TG W Temperature Sensor comes with a **one-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For full warranty terms and conditions, please refer to the official Humminbird website or contact customer support.

SUPPORT

For additional support, technical assistance, or to view other Humminbird products, please visit the official Humminbird website or their Amazon store:

[Visit the Humminbird Store on Amazon](#)