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> VDO Marine OceanLink Tachometer 3000 RPM User Manual

## VDO A2C1065670001

# VDO Marine OceanLink Tachometer 3000 RPM User Manual

Model: A2C1065670001

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of your VDO Marine OceanLink Tachometer. Please read these instructions carefully before installation and use to ensure optimal performance and safety.



**Figure 1:** VDO Marine OceanLink Tachometer. This image displays the front of the tachometer, featuring a white face, clear numerical markings for RPM, and a prominent red indicator needle, all encased within a durable black bezel.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to prevent personal injury or damage to the product or vessel:

- Disconnect the vessel's battery before performing any electrical work.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not operate the tachometer if it appears damaged or is not functioning correctly.
- Consult a qualified marine technician if you are unsure about any installation or wiring procedures.
- This product is designed for marine use. Do not use it in applications for which it was not intended.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- VDO Marine 3-3/8" (85mm) OceanLink Tachometer - 3000 RPM (Model: A2C1065670001)
- Mounting Hardware (typically includes mounting bracket, nuts, and washers)

- Wiring Harness (specific to the gauge model)
- User Manual (this document)

## 4. SETUP AND INSTALLATION

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Proper installation is crucial for accurate operation. Follow these general steps:

### 4.1 Mounting

1. Choose a suitable location on your dashboard or panel that is visible and accessible.
2. Cut an 85mm (3-3/8 inch) diameter hole using an appropriate hole saw. Ensure there is sufficient clearance behind the panel for the gauge body and wiring.
3. Insert the tachometer into the mounting hole from the front of the panel.
4. Secure the tachometer using the supplied mounting bracket, nuts, and washers from the rear of the panel. Tighten securely but do not overtighten.

### 4.2 Wiring Connections

Refer to the wiring diagram provided with your specific tachometer model for exact connections. General connections typically include:

- **Power (12V/24V DC):** Connect to a switched positive power source.
- **Ground:** Connect to a reliable vessel ground.
- **Engine Signal:** Connect to the engine's tachometer signal output (e.g., alternator 'W' terminal, ignition coil negative, or dedicated ECU output).
- **Illumination:** Connect to the vessel's dashboard lighting circuit for backlight operation.

### 4.3 Initial Configuration

Some tachometers require configuration for the number of engine poles or alternator pulses to ensure accurate RPM readings. Consult your specific model's detailed instructions for setting these parameters, often done via buttons on the back of the unit or a separate programming interface.

## 5. OPERATING INSTRUCTIONS

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Once installed and configured, the VDO OceanLink Tachometer operates automatically when the vessel's ignition is turned on.

- **Reading RPM:** The needle will indicate the engine's revolutions per minute (RPM) on the dial.
- **Backlight:** The gauge backlight will illuminate when the vessel's navigation or dashboard lights are activated, improving visibility in low-light conditions.
- **Warning Indicators:** If your specific model includes warning lights or alarms, refer to its dedicated documentation for their meaning and operation.

## 6. MAINTENANCE

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The VDO OceanLink Tachometer is designed for durability in marine environments. Minimal maintenance is required:

- **Cleaning:** Clean the front lens with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the lens or bezel.
- **Inspection:** Periodically check all wiring connections for corrosion or looseness. Ensure the mounting

remains secure.

- **Environmental Protection:** While designed for marine use, avoid prolonged exposure to direct sunlight when not in use, if possible, to extend the life of the display and materials.

## 7. TROUBLESHOOTING

If your tachometer is not functioning as expected, consider the following common issues:

Problem	Possible Cause	Solution
No display/No power	Blown fuse, loose power/ground connection, no power to circuit.	Check fuse in the power circuit. Verify power and ground connections are secure and receiving voltage.
Incorrect RPM reading	Incorrect pole/pulse setting, faulty engine signal, loose signal wire.	Verify the tachometer's configuration matches the engine's output. Check the engine signal wire for damage or loose connections.
Needle erratic/Jumping	Poor ground connection, electrical interference, faulty signal.	Ensure a solid ground connection. Check for sources of electrical interference. Inspect signal wire for damage.

If troubleshooting steps do not resolve the issue, contact VDO customer support or a qualified marine technician.

## 8. SPECIFICATIONS

Feature	Detail
Brand	VDO
Model	OceanLink Tachometer - 3000 RPM
Part Number	A2C1065670001
Gauge Diameter	3-3/8" (85mm)
RPM Range	0 - 3000 RPM
Material	Plastic
Item Dimensions (L x W x H)	8 x 8 x 4 inches
Item Weight	0.85 Pounds

## 9. WARRANTY AND SUPPORT

This VDO product comes with a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official VDO Marine website.

For technical support, troubleshooting assistance, or to inquire about replacement parts, please contact VDO customer service. Contact information can typically be found on the VDO Marine website or in the product packaging.

**Online Resources:** For additional information, wiring diagrams, and FAQs, visit the official [VDO Marine website](#).

