

Timorn T941E

Timorn T941E Digital Inductive Tachometer Hour Meter Instruction Manual

Model: T941E | Brand: Timorn

1. PRODUCT OVERVIEW

The Timorn T941E Digital Inductive Tachometer Hour Meter is designed to monitor the RPM and total operating hours of various small engines. It features a digital display, maintenance reminders, and is suitable for a wide range of applications including dirt bikes, chainsaws, lawn mowers, generators, motorcycles, boats, and marine outboards.

This device helps diagnose engine conditions, track usage for maintenance scheduling, and ensures optimal performance and longevity of your equipment.

Your browser does not support the video tag.

Video: Timorn Tachometer Hour Meter Main Function. This video provides an overview of the primary functions of the Timorn T941E tachometer and hour meter.

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Video: Timorn Tachometer & Hour Meter General Introduction. This video offers a general introduction to the features and capabilities of the Timorn T941E device.

2. SETUP AND INSTALLATION

The Timorn T941E tachometer hour meter is designed for easy installation without external power. It operates by detecting the electrical pulses from the spark plug wire.

2.1 Package Contents

- Timorn T941E Digital Inductive Tachometer Hour Meter
- Inductive wire
- Zip ties for securing the wire

- Mounting accessories (e.g., double-sided tape, screws)
- CR2 battery (pre-installed with insulating sheet)

2.2 Installation Steps

1. **Prepare the Meter:** If the meter is new, remove the insulating sheet from the battery compartment to activate the battery. The battery is replaceable (CR2).
2. **Mount the Meter:** Choose a suitable, clean, and flat surface on your equipment. Use the provided double-sided tape or screws to securely attach the meter. Ensure the display is easily visible.
3. **Connect the Inductive Wire:** Locate the spark plug wire on your engine. Wrap the inductive wire around the spark plug wire for approximately 5 to 8 rounds. Secure the wrapped wire with the provided zip ties to prevent it from coming loose.
4. **Test Installation:** Start your engine. The tachometer should display real-time RPM readings. If no readings appear, check the wire connection and ensure it is securely wrapped around the spark plug wire.

Image: Detailed diagram illustrating the steps for installing the Timorn T941E tachometer, including wrapping the wire around the spark plug cable and securing the unit.

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Video: How to use Timorn Tachometer & Hour Meter. This video demonstrates the practical application and usage of the Timorn T941E device.

3. OPERATING INSTRUCTIONS

The Timorn T941E features multiple display modes and settings for comprehensive engine monitoring.

3.1 Display Modes

- **Real-time RPM:** Displays the engine's current revolutions per minute. The refresh rate can be set to 0.5s or 1s.
- **Total Running Time (TOT):** Shows the accumulated total operating hours of the engine. This value is non-resettable and remains visible even when the engine is off. The display range is 0-6000 hours with 0.1h accuracy.
- **Resettable Job Time (JOB1/JOB2):** Allows tracking of working time for two different engines or tasks separately. This can be reset as needed.
- **Maintenance Reminder (SVC1/SVC2):** Configurable service intervals for two different maintenance tasks. The screen will show a red backlight and a flashing icon when a service is due.
- **Max RPM Recall:** Records and displays the maximum RPM achieved during operation.

3.2 Setting Engine Type (Stroke Mode)

The meter is compatible with various engine types. To set the correct stroke mode:

1. Press and hold the 'M' button to enter the settings menu.
2. Navigate through the options using the 'S' button until you reach the engine type setting.
3. Use the 'M' button to select the appropriate engine type (e.g., 2-stroke single cylinder, 4-stroke twin cylinder, etc.). The meter supports 2-stroke (1/2/3/6 cylinders) and 4-stroke (1/2/3/4/5/6/8/12 cylinders) engines.

4. Confirm your selection by pressing the 'S' button.

3.3 RPM Alert Setting

You can set a programmable RPM limit to keep your engine safe.

1. Enter the settings menu as described above.
2. Navigate to the RPM alert setting.
3. Adjust the desired maximum RPM value using the 'M' and 'S' buttons.
4. Confirm the setting. If the engine RPM exceeds this value, the meter will alert you.

Image: The Timorn T941E displaying 'JOB1' and 'JOB2' modes, illustrating its capability to track two separate job times, suitable for equipment like lawnmowers and jet skis.

4. MAINTENANCE

The maintenance reminder feature helps you keep track of service intervals for your engine.

4.1 Setting Maintenance Reminders

1. Access the settings menu by pressing and holding the 'M' button.
2. Navigate to the SVC1 or SVC2 setting using the 'S' button.
3. Set the desired service interval (in hours) using the 'M' and 'S' buttons.
4. Confirm the setting. When the accumulated engine hours reach the set interval, the meter will display a red backlight and a flashing icon to remind you that maintenance is due.

4.2 Battery Replacement

The meter uses a replaceable CR2 battery. Data is retained even after battery replacement.

1. Locate the battery compartment on the back of the meter.
2. Open the compartment cover (usually by twisting or unscrewing).
3. Remove the old CR2 battery and insert a new one, ensuring correct polarity.
4. Close the battery compartment cover securely.

Image: The Timorn T941E displaying 'SVC1' and 'SVC2' modes, indicating its ability to set two independent service reminders, useful for equipment like chainsaws and snowmobiles.

5. SPECIFICATIONS

Feature	Specification
Model Number	T941E
Brand	Timorn
Dimensions (L x W x H)	2.68 x 1.5 x 0.67 inches

Item Weight	2.39 ounces
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
RPM Range	0-25000 RPM
Hour Range	0-6000 hours
Waterproof Rating	IP67
Battery Type	1 CR2 battery (included)
Engine Compatibility	2-stroke (1/2/3/6 cylinders), 4-stroke (1/2/3/4/5/6/8/12 cylinders)

6. TROUBLESHOOTING

If you encounter issues with your Timorn T941E, please refer to the following common troubleshooting steps:

- **No Display/Power:** Ensure the battery insulating sheet has been removed. If the battery is old, replace it with a new CR2 battery.
- **No RPM Reading:** Verify that the inductive wire is securely wrapped around the spark plug wire for at least 5-8 turns. Ensure the wire is not damaged or disconnected. Check that the engine type setting is correct for your equipment.
- **Inaccurate Readings:** Confirm the correct engine type (stroke mode) is selected in the meter's settings. Ensure the inductive wire is properly installed and not picking up interference.
- **Maintenance Reminder Not Working:** Check that the SVC intervals are correctly set in the meter's settings.

7. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Timorn customer service through the retailer where the product was purchased. Keep your purchase receipt as proof of purchase.