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› Runleader Digital Hour Meter Tachometer User Manual

Runleader RL-HM026C

Runleader Digital Hour Meter Tachometer User Manual

Model: RL-HM026C

Brand: Runleader

INTRODUCTION

The Runleader Digital Hour Meter Tachometer (Model RL-HM026C) is a versatile device designed to monitor engine performance and track operational hours for various gas-powered equipment. It provides real-time RPM readings, total accumulated hours, a resettable job timer, and programmable maintenance reminders. This manual provides detailed instructions for installation, operation, and maintenance to ensure optimal performance and longevity of your device.



Figure 1: Front view of the Runleader Digital Hour Meter Tachometer with attached wiring.

KEY FEATURES

- **Hour Meter:** Tracks total accumulated engine running hours with 1-minute accuracy. This value is non-resettable.
- **Job Timer:** Measures the duration of specific tasks or work periods (e.g., oil changes, air filter replacements). This timer is resettable.
- **Maintenance Reminders:** Features two programmable service timers (SVC1 and SVC2) that provide countdown reminders for scheduled maintenance.
- **Tachometer:** Displays real-time engine RPMs and records the maximum RPM achieved during operation.
- **User Shutdown:** Allows the user to power off the device while retaining all recorded data.
- **Waterproof Rating:** IP67 certified, ensuring protection against dust and temporary immersion in water.
- **Compatibility:** Works with 2-stroke (1, 2, 3, 6 cylinders) and 4-stroke (1, 2, 4, 6, 8, 12, 16 cylinders) gas engines.

SETUP AND INSTALLATION

Engine Signal Connection

The tachometer function relies on an inductive signal from the engine's spark plug wire. Wrap the signal wire around the spark plug wire as shown in the diagram below. Ensure a secure connection for accurate readings.

ENGINE SIGNAL PICKUP



1.75meters
(68.8 inches)

- It can work on 11 types of gas engine:
 - 2 stroke 1/2/3/6 cylinders.
 - 4 stroke 1/2/4/6/8/12/16 cylinders.

Figure 2: Engine signal connection. The inductive wire should be wrapped around the spark plug wire. The wire length is approximately 1.75 meters (68.8 inches).

Product Mounting Options

The Runleader tachometer offers multiple mounting options to suit various applications:



Stick-on Mounting: Utilizes double-sided adhesive tape for quick and easy attachment to a flat surface. Ensure the surface is clean and dry before application.



Screw-on Mounting: For a more permanent and secure installation, the device can be screwed onto a surface using appropriate fasteners (not included, need to prepare by self). The device has pre-drilled holes for this purpose.



Snap-in Mounting: Designed to snap into a pre-cut opening for a flush, integrated look. This method requires precise cutting of the mounting surface (need to prepare by self).

OPERATING INSTRUCTIONS

RPM and Total Hours (TOT) Display

RPM & TOT



■ RPM

Display real-time RPM when engine is on.

You also can check the maximum RPM value since engine started.

■ TOT

Display total running hours when engine is off.



Figure 3: RPM display when engine is running.

When the engine is running, the device displays real-time RPM. It also records and allows recall of the maximum RPM value achieved since the engine started.

RPM & TOT



■ RPM

Display real-time RPM when engine is on.

You also can check the maximum RPM value since engine started.

■ TOT

Display total running hours when engine is off.



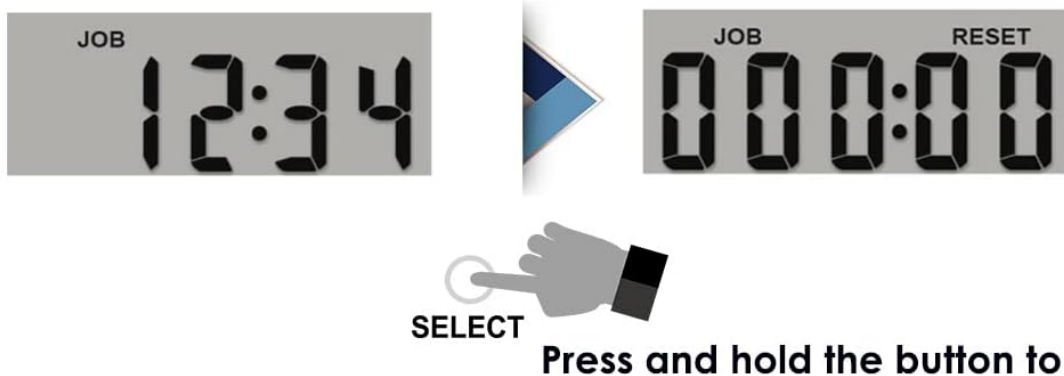
Figure 4: TOT (Total Hours) display when engine is off.

When the engine is off, the device displays the total accumulated running hours (TOT). This value is non-resettable and provides a permanent record of engine usage.

Job Timer Function

The Job Timer records the hours accumulated during a single working period. This timer can be reset for each new task.

JOB TIMER



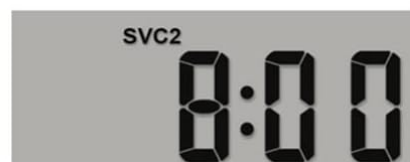
- It record the hours running during a single working period, which can be reset.

Figure 5: Job Timer display and reset. To reset the Job Timer, press and hold the "SELECT" button until the display shows "00:00".

Maintenance Reminders (SVC1 & SVC2)

The device includes two programmable service timers (SVC1 and SVC2) to help you track and schedule regular maintenance for different engine components. These timers count down from a set value, alerting you when service is due.

SVC MAINTENANCE REMINDERS



- Available 2 SVC timers to perform regular maintenance for different engine components, help to advise the arrival status.

Figure 6: SVC Maintenance Reminders. The display shows the remaining time until the next scheduled service.

Refer to the full operating instructions (usually included in the physical package) for details on how to program and reset these maintenance reminders.

MAINTENANCE

Regular maintenance of your engine is crucial for its longevity and performance. Utilize the SVC maintenance reminders to keep track of service intervals for oil changes, air filter replacements, spark plug checks, and other routine tasks. Always consult your engine's specific service manual for recommended maintenance schedules.

The Runleader tachometer itself requires minimal maintenance. Keep the display clean and free from debris. Its IP67 waterproof rating ensures durability in various environmental conditions.

FAVORABLE WATER RESISTANCE

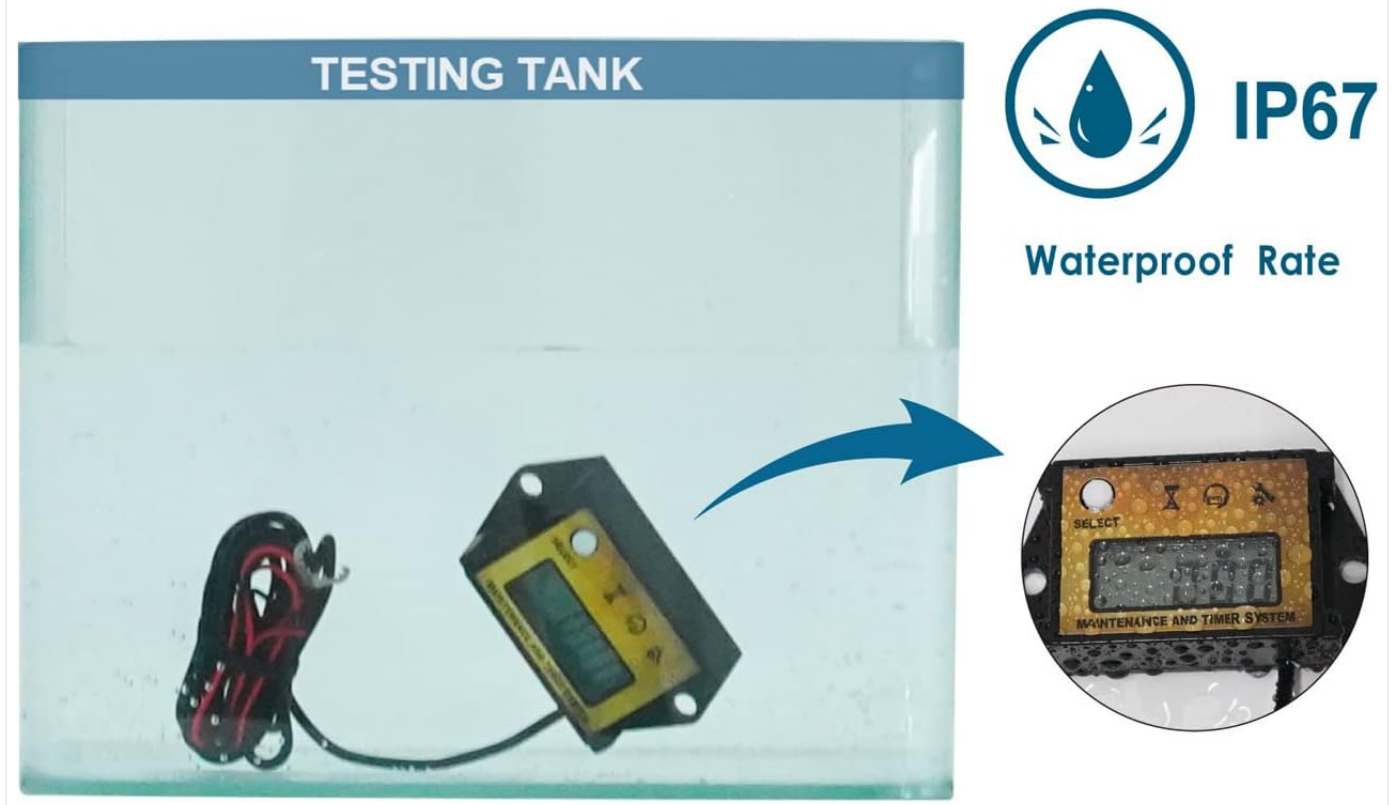


Figure 7: Water resistance testing. The device is rated IP67 for protection against water and dust.

TROUBLESHOOTING

If you encounter issues with your Runleader Digital Hour Meter Tachometer, consider the following common troubleshooting steps:

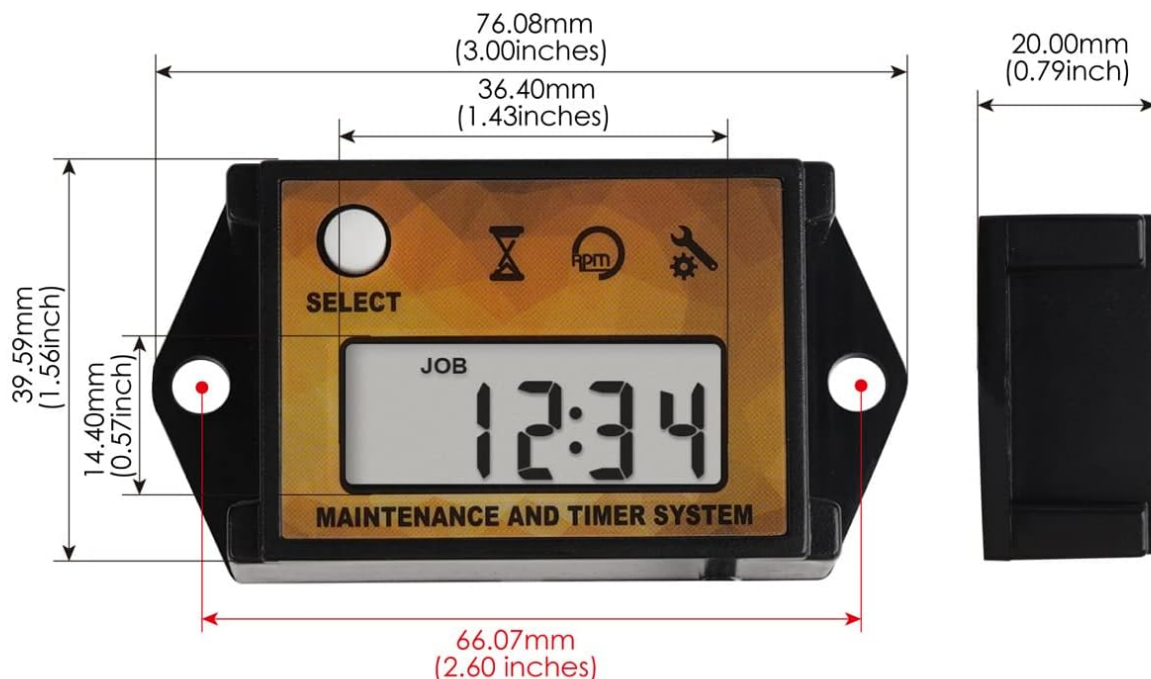
- **No Display/Power:** Ensure the internal battery is functional. The device is designed for long battery life, but extreme temperatures or prolonged storage can affect it.
- **Inaccurate RPM Readings:** Check the inductive wire connection to the spark plug wire. Ensure it is wrapped securely and not damaged. Interference from other electrical components can also affect readings; try re-routing the wire if possible.
- **Job Timer Not Resetting:** Confirm you are pressing and holding the "SELECT" button for the required duration (typically a few seconds) to initiate the reset.
- **Display Issues:** If the display is dim or flickering, it might indicate a low internal battery.

For persistent issues or advanced troubleshooting, please refer to the detailed user manual included with your product or contact Runleader customer support.

SPECIFICATIONS

DIMENSION & ACCESSORIES

■ Dimension



■ Accessories



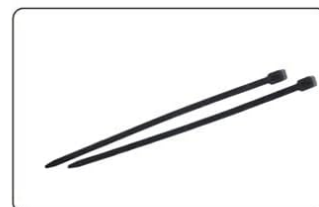
Double sided tape*1



User manual*1



Blister card*1



Cable ties*2

Figure 8: Product dimensions and included accessories.

Attribute	Value
Brand	Runleader
Model Number	RL-HM026C
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Dimensions (L x W x H)	2.99 x 1.57 x 0.81 inches (76.08 x 39.59 x 20.00 mm)
Item Weight	3.46 ounces (98 Grams)
Waterproof Rating	IP67
Battery	1 Lithium Metal battery (included)
UPC	606412395798
Manufacturer	Ningbo Jiangbei Run Leader Electronics Co., Ltd

APPLICATION

The Runleader Digital Hour Meter Tachometer is suitable for a wide range of gas engine powered equipment, including but not limited to:

- Lawn Mowers
- Generators
- Motorcycles
- Outboard Motors
- Chainsaws
- ATVs
- Tractors
- Jetskis
- Snowmobiles

APPLICATION

It is applicable to gas engine powered equipments, such as:

- Lawn mower
- Generator
- Motorcycle
- Outboard motor
- Chainsaw
- ATV etc.



Figure 9: Examples of equipment compatible with the tachometer.

WARRANTY AND SUPPORT

Runleader products typically come with a 2-year warranty. For specific warranty details, claims, or technical support, please refer to the warranty card included with your product or visit the official Runleader website. You can also visit the [Runleader Store on Amazon](#) for more information and contact options.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

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