

[Manuals.plus](#) /

› [Runleader](#) /

› Runleader LCD Hour Meter Tachometer User Manual

Runleader RL-HM068A

Runleader LCD Hour Meter Tachometer User Manual

Model: RL-HM068A

1. PRODUCT OVERVIEW

The Runleader LCD Hour Meter Tachometer is a versatile instrument designed to monitor engine performance and track operational hours for various gasoline-powered equipment. It provides real-time RPM readings, accumulates total engine hours, and features a programmable maintenance reminder to ensure timely service.



Image 1.1: The Runleader LCD Hour Meter Tachometer, showing the main unit and the inductive alligator clip cable for signal connection.

2. SETUP AND INSTALLATION

2.1 Mounting the Device

The hour meter tachometer offers two primary mounting options: screw-on and stick-on, allowing for flexible placement on your equipment.

MAINTENANCE REMINDER



- Do the regular maintenance task and advise you the arrival time.

Image 2.1: Screw-on mounting, utilizing screws to secure the device to a surface.

FAVORABLE WATER RESISTANCE

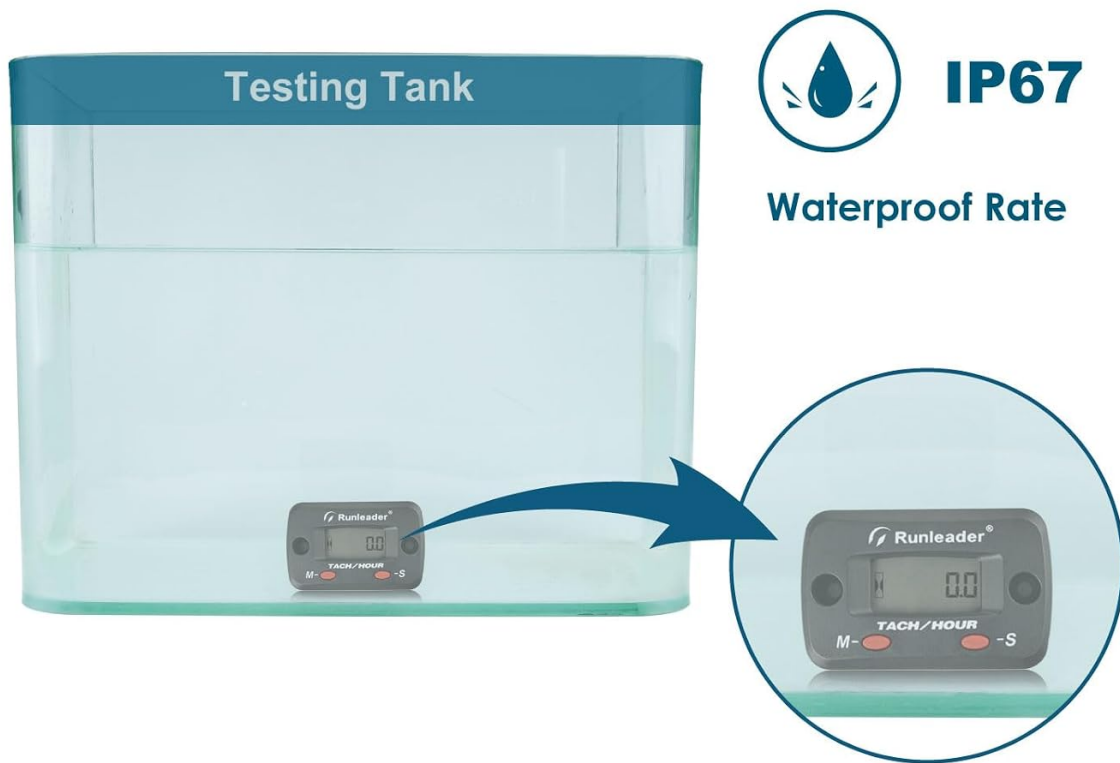


Image 2.2: Stick-on mounting, using adhesive backing for quick attachment.

2.2 Signal Wire Connection

To obtain the engine's working signal, connect the inductive cable's alligator clip to the spark plug wire. Wrap the inductive cable around the spark plug wire at least 5-8 times to ensure a reliable signal. The total length of the inductive cable is 1.75 meters (68.8 inches).

SIGNAL WIRE CONNECTION

■ Signal wire connection



- It is applicable to most of 2 or 4 stroke gasoline engine:
 - 2 stroke 1/2/3/6 cylinders.
 - 4 stroke 1/2/3/4/5/6/8/12/16 cylinders.

Image 2.3: Illustration of connecting the inductive cable to the spark plug wire for signal acquisition.

3. OPERATING INSTRUCTIONS

3.1 Tachometer and Hour Meter Functions

The device functions as both a tachometer and an hour meter:

- **RPM Display:** When the engine is running, the meter displays the real-time RPM value. The RPM measurement range is 0 to 6000 RPM. You can also view the historic maximum RPM recorded since the engine started.
- **Total Hours (TOT):** The meter accumulates total engine hours when the engine is on and displays this value when the engine is off. The total hours range is 0 to 99,999 hours. An initial value for total hours can be set within 1 hour before engine start, useful for replacing old hour meters.
- **Single Working Hours (JOB):** A resettable hours record is available for tracking the duration of a single working period.



Image 3.1: Examples of RPM and Hours displays, including real-time RPM, MAX RPM, total hours, partial hours, and initial hours setting.

3.2 Maintenance Reminder (SVC)

The meter includes a maintenance reminder feature (SVC) to help you perform regular maintenance tasks. It advises you when the scheduled maintenance interval is approaching or has arrived. The SVC maintenance timer range is 0 to 2000 hours.

RPM & HOURS DISPLAY

RPM

- It display the real-time RPM value when engine is on. RPM range: 0 to 6000 RPM.
- You also can check the historic maximum RPM since engine started.



MAX RPM

HOURS

- It begin to accumulate the total hours when engine is on, and display it when engine is off.
- You can set the initial value for old hour meter replacement.
- Available an resettable hours record during single working period.



Partial hours



TOT initial hours

Image 3.2: The display showing the SVC maintenance reminder icon and remaining time.

3.3 Engine Type Selection

To ensure accurate RPM readings, you can calibrate the meter by selecting from 9 available engine firing patterns, compatible with 13 types of gasoline engines:

- 2-stroke engines: 1, 2, 3, or 6 cylinders
- 4-stroke engines: 1, 2, 3, 4, 5, 6, 8, 12, or 16 cylinders

4. MAINTENANCE AND CARE

The Runleader Hour Meter Tachometer is designed with a favorable water resistance rating of IP67, meaning it is protected from dust and can withstand immersion in water up to 1 meter for 30 minutes. This makes it suitable for use in various outdoor and demanding environments.

PRODUCT MOUNTING

■ Dimensions



■ Accessories



Image 4.1: The meter undergoing water resistance testing, demonstrating its IP67 waterproof rating.

Regularly check the inductive cable for any signs of wear or damage. Keep the display clean using a soft, dry cloth. The device is powered by a built-in CR2032 210mAh battery.

5. SPECIFICATIONS

Feature	Description
Model Number	RL-HM068A
Total Hours Range	0 to 99,999 hours
RPM Measurement Range	0 to 6000 RPM
SVC Maintenance Timer Range	0 to 2000 hours
Inductive Cable Length	1.75 meters (68.8 inches)

Water Resistance	IP67
Battery Type	Built-in CR2032 (210mAh)
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Weight	3.03 Ounces

5.1 Dimensions and Accessories

The product comes with all necessary accessories for installation and operation.

APPLICATION

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

- Lawn mower
- Generator
- Compressor
- Motorcycle
- Outboard Motor
- Chainsaw



Image 5.1: Detailed dimensions of the meter and a list of included accessories: Runleader color box, mounting hole label, inductive cable, cable ties, 3M adhesive velcro, screws, and a screwdriver.

6. APPLICATION

This hour meter tachometer is applicable to a wide range of gasoline engine powered equipment, including but not

limited to:

- Lawn mowers
- Generators
- Compressors
- Motorcycles
- Outboard motors
- Chainsaws
- ATVs
- Jetskis

PRODUCT MOUNTING

- **Screw-on**



- **Stick-on**



Image 6.1: Visual representation of various applications for the hour meter tachometer.

7. WARRANTY AND SUPPORT

The Runleader LCD Hour Meter Tachometer comes with reliable technical support and aftersales service for a period of 2 years from the date of purchase. For any inquiries or assistance, please refer to the contact information

provided with your product packaging or visit the official Runleader website.

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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