

Runleader RL-HM015B

Runleader RL-HM015B Vibration Activated Hour Meter User Manual

Model: RL-HM015B | Brand: Runleader

1. PRODUCT OVERVIEW

The Runleader RL-HM015B is a vibration-activated hour meter designed to track the operating time of various equipment. It features a digital LCD display, maintenance reminders, a resettable job timer, and a user lock shutdown function. The meter is built with favorable water resistance and offers programmable sensitivity settings to suit different machinery.

INSTALLATION METHODS

■ Accurate working signal pickup

✓ Generator



"SEN-1" --- High vibration($\geq 32\text{Hz}$)

✓ Lawn mower



"SEN-2" --- Medium vibration($\geq 18\text{Hz}$)

✓ Electric fan



"SEN-3" --- low vibration($\geq 4\text{Hz}$)

■ Stick-on mounting



Image: Overview of Runleader RL-HM015B features including total hours, job timer, service reminder, programmable sensitivity, display lock, and IP67 waterproof rating.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1 x Runleader RL-HM015B Vibration Activated Hour Meter
- 1 x Double-sided adhesive tape for mounting
- 1 x Operating Instruction Manual

DIMENSION & ACCESSORIES

■ Dimensions



■ Accessories



Box*1



Double-sided tape*1



Instructions*1

Image: The hour meter, double-sided tape, and user manual included in the package.

3. INSTALLATION

3.1 Mounting Options

The RL-HM015B hour meter can be easily mounted using the provided double-sided adhesive tape. Choose a clean, flat, and stable surface on your equipment for optimal vibration detection and secure attachment.

STICK-ON MOUNTING

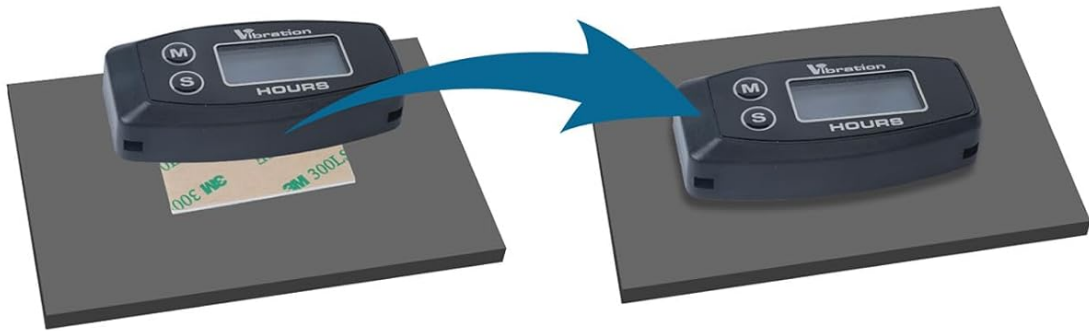


Image: The hour meter being mounted using double-sided adhesive tape.

3.2 Signal Pickup

The hour meter detects equipment operation through its built-in vibration sensor. No wire connection to the engine's ignition system is required for basic hour tracking. Ensure the meter is mounted in a location where it can accurately sense the equipment's vibration.



TOT



JOB



SVC



PROGRAMMABLE
VIBRATION
SENSITIVITY



DISPLAY
LOCKING



WATERPROOF
IP67

Image: Examples of equipment and their corresponding vibration levels for accurate signal pickup.

3.3 Installation Video Guide

For a visual guide on unboxing and installation, please refer to the video below:

Your browser does not support the video tag.

Video: Unboxing and installation guide for the Runleader Vibration Hour Meter. This video demonstrates how to unpack the product and attach it to equipment.

4. OPERATING INSTRUCTIONS

4.1 Total Hours (TOT)

The meter continuously tracks the total running hours of the equipment when it is in operation. The total hours (TOT) display ranges from 0 to 99,999 hours. This value is non-resettable and provides a cumulative record of usage.

4.2 Resettable Job Timer (JOB)

The resettable job timer (JOB) allows you to track the operating time for a specific work period. This value can be reset as needed, making it useful for monitoring individual tasks or maintenance intervals. The JOB timer range is also 0 to 99,999 hours.

TOT & JOB HOURS RECORD



■ TOT

It begin to track the total running hours when detect the vibration signal of machine. The total hours range: 0 to 99,999 hours.



■ JOB

It record 2 resettable hours value during single working period.



Image: The meter displaying both Total Hours (TOT) and a resettable Job Timer (JOB).

4.3 Maintenance Reminder (SVC)

The maintenance reminder (SVC) function helps you perform regular maintenance tasks by counting down to a set service interval. The SVC timer can be set from 0 to 1000 hours or turned OFF. Once the countdown reaches zero, a reminder will be displayed.

REGULAR MAINTENANCE REMINDER



- It perform an regular maintenance task by countdown, help you to know the arrival status. SVC range: 0 to 1000 hours/OFF.

Image: The meter displaying the Service (SVC) countdown for maintenance scheduling.

4.4 Programmable Sensitivity

The meter offers 3 programmable sensitivity levels (Low/Medium/High) to accurately detect the vibration frequency of different machines. Adjusting the sensitivity ensures precise hour tracking for various equipment types.



TOT



JOB



SVC



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DISPLAY
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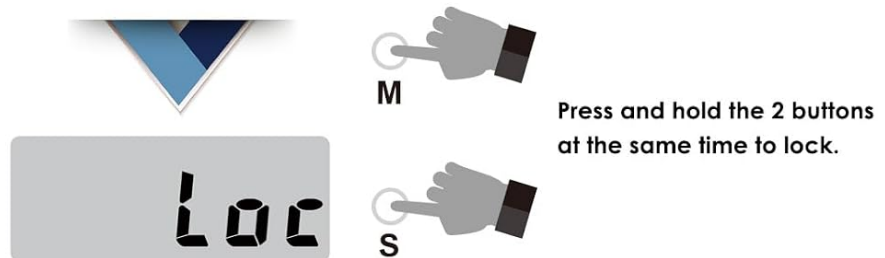
WATERPROOF
IP67

Image: Examples of equipment and their corresponding vibration levels for accurate signal pickup.

4.5 Display Lock

The display lock function allows you to lock the LCD display. This feature is useful during transport or when the equipment experiences strong vibrations, preventing unnecessary hour accumulation and conserving battery life.

LCD DISPLAY LOCK



- You can lock the LCD display during transport or strong vibration, which can be avoid the useless hours running and save the battery lifetime.

Image: The meter displaying 'Loc' when the display lock function is activated.

5. MAINTENANCE

The Runleader RL-HM015B is designed for durability and minimal maintenance. It features a favorable water resistance rating of IP67, ensuring good working condition even when submerged up to 1 meter.

FAVORABLE WATER RESISTANCE

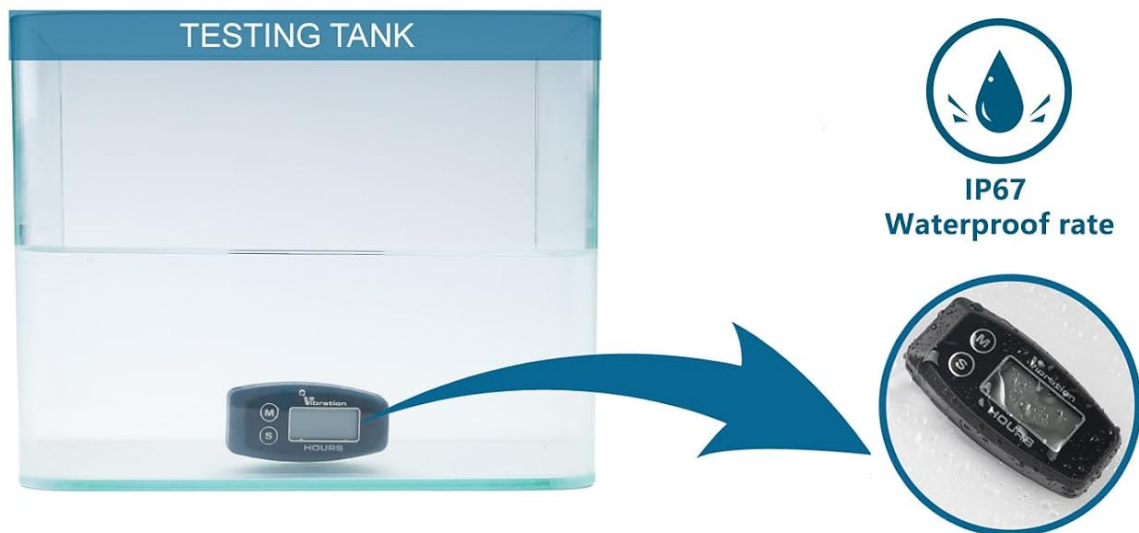


Image: The hour meter undergoing a water resistance test, highlighting its IP67 waterproof rating. The device includes a built-in CR2430 battery with a long standby time. The battery is not user-replaceable.

6. TROUBLESHOOTING

- **Inaccurate Hour Readings:** If the meter is not accurately recording hours, adjust the programmable sensitivity setting (Low/Medium/High) to match the vibration frequency of your equipment. Refer to section 4.4 for details.
- **Display Not Activating:** Ensure the equipment is generating sufficient vibration for the meter to detect. Check if the display lock function (Loc) is active, which can prevent the display from showing hours.
- **Low Voltage Reminder:** The meter will display a 'b-Lo' reminder when the battery voltage is below 2.7V, indicating a low battery status.

7. SPECIFICATIONS

Feature	Specification
Model Number	RL-HM015B
Total Hours (TOT) Range	0 to 99,999 hours
Job Timer (JOB) Range	0 to 99,999 hours
Maintenance Reminder (SVC) Range	0 to 1000 hours / OFF
Programmable Sensitivity	3 levels (Low/Medium/High)
Waterproof Rate	IP67
Battery Type	Built-in CR2430 Lithium Metal (non-replaceable)
Item Weight	20 g
Product Dimensions (L x W x H)	6.7 x 3.3 x 1.4 cm
Material	Acrylonitrile Butadiene Styrene (ABS)

8. APPLICATIONS

The Runleader RL-HM015B is suitable for a wide range of equipment that generates vibration during operation, including:

- Generators
- Marine engines
- ATVs
- Lawn Mowers
- Tractors
- Motorcycles
- Chainsaws
- Compressors
- Outboard Motors

APPLICATION

It is applicable to all types of machine worked by gas/diesel engine, AC/DC power, such as:

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



Lawn mower



Generator



Compressor



Motorcycle



Outboard Motor



Chainsaw

Image: Examples of equipment where the hour meter can be applied.

9. WARRANTY AND SUPPORT

Runleader provides reliable technical support and after-sales service for this product. The RL-HM015B hour meter comes with a 2-year warranty.

For further assistance or inquiries, please contact Runleader customer support.

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