Runleader RL-HM016

Runleader Digital Wireless Vibration Activated Hour Meter

Model: RL-HM016

Introduction

The Runleader Digital Wireless Vibration Activated Hour Meter is a compact and durable device designed to track the total operating hours of various equipment. It operates wirelessly by detecting vibrations, making it suitable for a wide range of applications without requiring direct wiring connections.

Key features include:

- Wireless operation via vibration activation.
- Tracks total running hours up to 99,999 hours.
- Highly waterproof design with IP68 rating.
- Built-in CR2430 battery for long standby lifetime.
- Easy screw-on installation.

Image: Front view of the Runleader Digital Wireless Vibration Activated Hour Meter.

Setup and Installation

The hour meter is designed for straightforward installation. It can be mounted at any suitable location on your equipment where it can reliably detect vibrations.

Mounting Options:

1. **Screw-on Mounting:** The meter can be securely attached using screws. Identify a flat surface on your equipment that experiences consistent vibration during operation.

Image: Illustration of screw-on mounting method for the hour meter.

2. **Vibration Signal Pickup:** For optimal performance, ensure the meter is placed where it can effectively pick up the equipment's vibration signal. In some cases, it may be beneficial to cut the electric signal coil for better signal detection, as indicated in the product's design.

Image: Example of the hour meter mounted on an engine, showing the area for electric coil signal pickup.

The package includes the hour meter and two screws for installation.

Image: Contents of the product package, showing the hour meter and two mounting screws.

Operating Instructions

The Runleader Hour Meter is designed for automatic operation. Once installed and activated by vibration, it begins tracking the total running hours of your equipment.

- **Vibration Activation:** The meter automatically detects vibrations from the equipment. It requires an applicable vibration frequency greater than 4Hz to begin recording.
- **Total Hours Display:** The LCD screen displays the total accumulated running hours. The hour reading can go up to 99,999 hours.
- **Wireless Operation:** No external power connection is needed as it is powered by a built-in battery and activated by vibration.

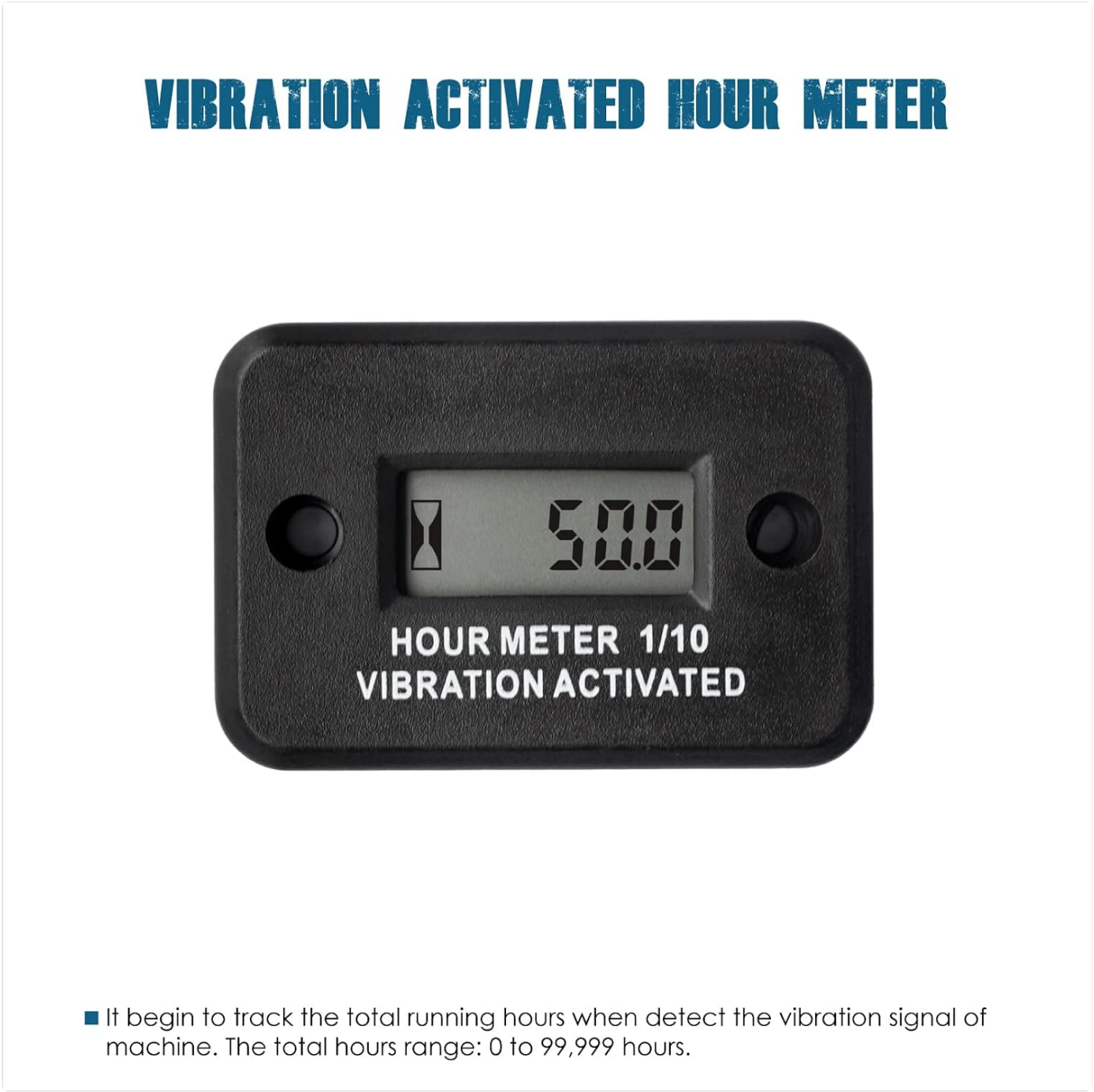

Image: The hour meter displaying an accumulated time of 50.0 hours, indicating its vibration-activated functionality.

Maintenance

The Runleader Hour Meter is built for durability and requires minimal maintenance.

- **Waterproof Design:** The meter features a 100% epoxy resin craft with strong water resistance, rated at IP68. This allows it to maintain good working condition even when submerged up to 10 meters underwater. This design protects it from harsh environmental conditions.
- **Battery:** The device contains a built-in CR2430 battery designed for a long standby lifetime. No user replacement is typically required for the battery.
- **Cleaning:** Wipe the meter with a soft, damp cloth as needed to keep the display clear. Avoid using harsh chemicals or abrasive materials.

Image: The hour meter undergoing a water resistance test, submerged in a tank, highlighting its IP68 waterproof rating.

Troubleshooting

If you encounter issues with your Runleader Hour Meter, consider the following:

- **Meter Not Recording:**
  - Ensure the equipment is generating sufficient vibration (frequency > 4Hz).
  - Verify the meter is securely mounted and in a position where it can effectively detect vibrations.
  - Check for any obstructions or loose mounting that might dampen vibrations reaching the meter.
- **Display Issues:**
  - Ensure the display is clean and free from dirt or moisture.
  - If the display is blank, the built-in battery may have reached the end of its lifespan.

For persistent issues, please contact customer support.

SPECIFICATIONS

Feature	Detail
Model Number	RL-HM016
Brand	Runleader
Power Source	1 Lithium Metal battery (included, built-in CR2430)
Operation Type	Wireless, Vibration Activated
Hour Range	0 to 99,999 hours
Waterproof Rating	IP68 (up to 10 meters underwater)
Applicable Vibration Frequency	> 4Hz
Material	Acrylonitrile Butadiene Styrene (ABS)
Manufacturer	Ningbo Jiangbei Run Leader Electronics Co., Ltd
UPC	723497063265

Product Dimensions:

Image: Diagram showing the dimensions of the hour meter in millimeters and inches.

- Overall Length: 54.00mm (2.13 inches)
- Overall Width: 38.30mm (1.51 inches)
- Display Window Length: 23.70mm (0.93 inches)
- Display Window Height: 10.00mm (0.39 inches)
- Thickness: 14.50mm (0.57 inches)
- Height (including mounting tabs): 37.00mm (1.46 inches)

Applicable Equipment

This hour meter is versatile and can be used with a variety of equipment that generates sufficient vibration (frequency > 4Hz), including but not limited to:

- Lawn mowers
- Generators

- Compressors
- Motorcycles
- Dirtbikes
- Outboard motors
- Boats
- Jet skis
- Chainsaws

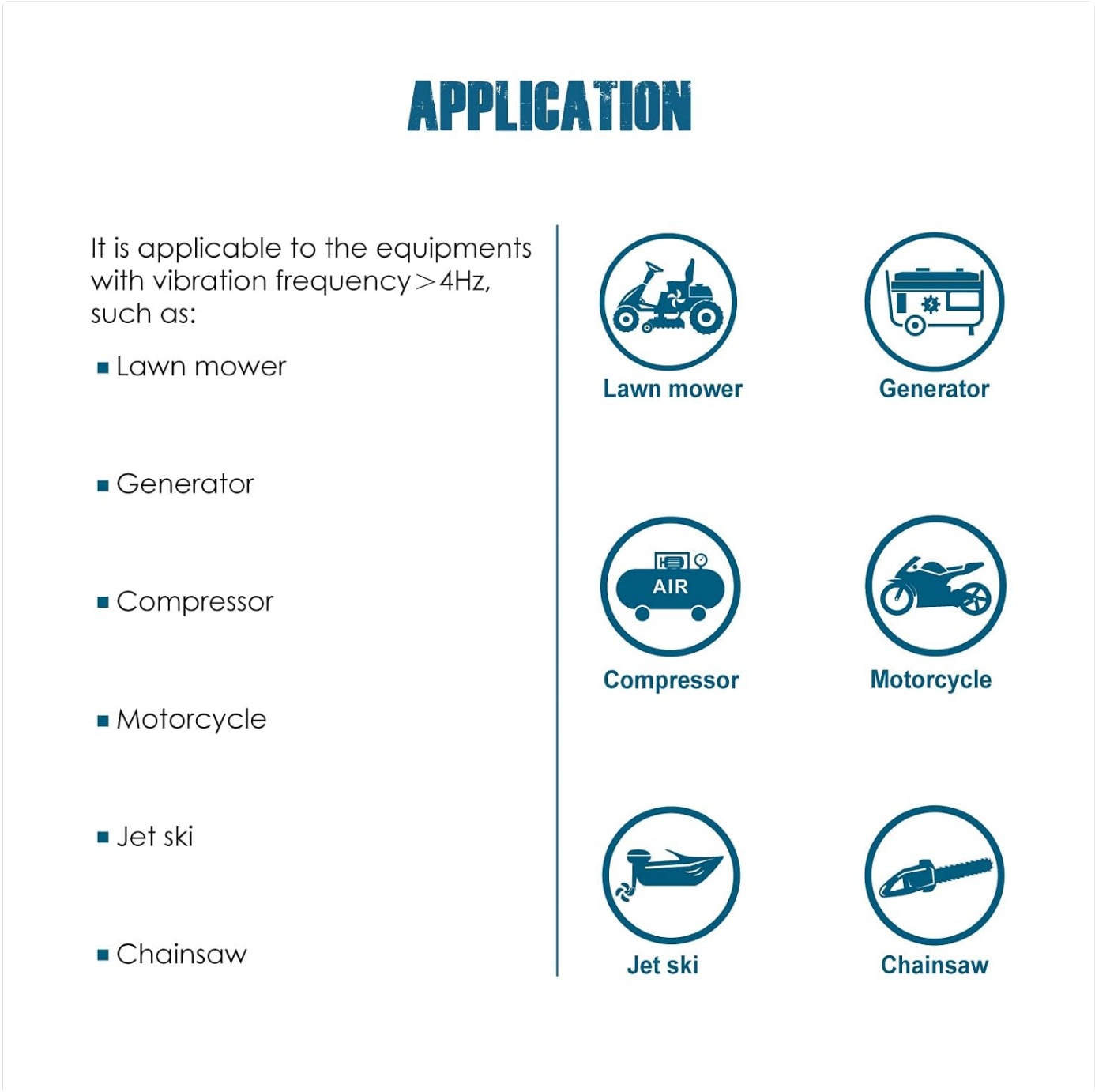

Image: Visual representation of different types of equipment where the hour meter can be applied, such as lawn mowers, generators, compressors, motorcycles, jet skis, and chainsaws.

Warranty and Support

Runleader provides reliable technical support and after-sales service for this product. The hour meter comes with a 2-year service period from the date of purchase.

For any inquiries, technical assistance, or warranty claims, please contact Runleader customer service or visit the official Runleader store on Amazon.

Manufacturer: Ningbo Jiangbei Run Leader Electronics Co., Ltd

For more information, visit the Runleader Store on Amazon.

© 2024 Runleader. All rights reserved.
This manual is for informational purposes only. Specifications are subject to change without notice.