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YOOREAL HM057AD-H

YOOREAL Digital Hour Meter Gauge

Model: HM057AD-H

Brand: YOOREAL

1. Product Overview

The YOOREAL Digital Hour Meter Gauge (Model HM057AD-H) is a robust and reliable device designed to accurately track the total operating hours of various DC-powered equipment. It features a maintenance reminder function to help schedule regular service tasks. This meter operates within a wide voltage range of DC 5V to 60V and is built with a 100% epoxy resin sealing process, ensuring high waterproof capabilities (IP68 rating) and resistance to shock.

The device does not contain an internal battery for operation; it draws power directly from the connected equipment's battery. It utilizes built-in EEPROM memory to automatically save operating data, ensuring data retention even when power is off.

Package Contents

- Digital Hour Meter Gauge (HM057AD-H) x1
- User Manual x1
- Insert Spring x2
- Plug Spring Sheath x2



Image 1.1: Contents included in the product package.

2. Installation

2.1 Mounting the Hour Meter

The HM057AD-H features a snap-in design for easy panel mounting. Ensure your equipment has a standard panel cut-out size of approximately 37.5mm x 24.5mm (1.48 inches x 0.96 inches). Gently push the meter into the opening until it snaps securely into place.



Image 2.1: Snap-in mounting design and panel cut-out dimensions.

2.2 Wiring Connection

Connect the hour meter to your equipment's DC power supply. The meter is designed to work with DC voltages ranging from 5V to 60V. It is crucial to correctly identify and connect the positive (+) and negative (-) terminals.

- Connect the **red wire** to the **positive (+)** terminal of your equipment's DC power source.
- Connect the **black wire** to the **negative (-)** terminal of your equipment's DC power source.

Ensure all connections are secure to prevent intermittent operation or damage to the device.



Image 2.2: Signal connection diagram for the hour meter.

3. Operation

3.1 Hour Meter Function (TOT)

Once properly connected to a DC power source and the equipment is operating, the hour meter will automatically begin tracking total operating hours (TOT). The display shows the accumulated hours with an accuracy of 0.1 or 1 hour, depending on the total time accumulated. The total operating time range is 0 to 99999 hours.



Image 3.1: Digital display showing total operating hours.

3.2 Maintenance Reminder

The hour meter includes a maintenance reminder function. The default maintenance interval is set to 50 hours. When the accumulated operating hours reach this preset value, the meter will display a maintenance alert (e.g., 'OIL' or 'CHG' for oil change or general check). After the maintenance is performed, the reminder will reset and restart counting from 0 for the next interval.



Image 3.2: Maintenance reminder display.

4. Maintenance and Durability

The YOOREAL HM057AD-H hour meter is designed for minimal maintenance. Its 100% epoxy resin sealing provides an IP68 waterproof rating, allowing it to function reliably even in damp or moist conditions, and protecting it from strong shocks. No internal user-serviceable parts are present.



Image 4.1: Hour meter demonstrating IP68 waterproof rating.

4.1 Applicable Equipment

This hour meter is suitable for a wide range of DC 5V-60V powered equipment, including but not limited to:

- ZTR/Riding Lawn Mowers
- Tractors
- Snow Blowers

- Land Edgers
- Pressure Washers
- Boats
- UTVs and ATVs



Pressure Washer



Garden Tractor



Boat



UTV/ATV

5. Troubleshooting

If the hour meter is not functioning as expected, consider the following:

- **No Display/Not Tracking Hours:** Verify that the positive and negative wires are correctly and securely connected to a DC power source within the 5V-60V range. Ensure the equipment itself is powered on and operating.
- **Inaccurate Readings:** Confirm the power connection is stable. Intermittent power can affect accuracy.
- **Maintenance Reminder Issues:** The maintenance reminder is set to a default of 50 hours. If it's not resetting or appearing, ensure the unit is receiving continuous power during operation.

Due to the sealed design, internal repairs are not possible. If issues persist after checking connections and power, please

contact YOOREAL customer support.

6. Specifications

Feature	Specification
Brand	YOOREAL
Model	HM057AD-H
Material	Acrylonitrile Butadiene Styrene (ABS)
Operating Voltage	DC 5V-60V
Total Hour Range (TOT)	0-99999H
Accuracy	0.1/1H
Maintenance Reminder Default	50H
Waterproof Rate	IP68
Data Retention	Built-in EEPROM (retained when power-off)
Item Dimensions (L x W x H)	1.73 x 1.18 x 1.46 inches (44 x 30 x 37 mm)
Panel Cut-out Size (Approx.)	37.5 x 24.5 mm (1.48 x 0.96 inches)
Item Weight	29 Grams (1.02 ounces)
UPC	723093794334
Manufacturer	Ningbo Yooreal Electronics Co.,Ltd

7. Warranty and Support

YOOREAL provides comprehensive after-sales service and support for this product.

- **2-Year Service:** The product comes with a 2-year service and support period. During this time, if any quality issues arise, YOOREAL offers free replacement service.
- **Customer Support:** For any problems, concerns, or technical assistance, please contact the seller via the Amazon Platform. The YOOREAL Care Team is available for professional online services.
- **Hassle-Free Returns/Replacements:** Even if the standard return window has closed, YOOREAL is committed to resolving product issues and provides hassle-free replacement or return services for quality-related problems within the 2-year period.

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Details

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