

JMQ

# Water Level Meter User Manual

Model: JMQ-100M | Brand: Generic

## PRODUCT OVERVIEW

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The Generic Water Level Meter provides an accurate method for measuring water levels in various applications, including wells, boreholes, tanks, and water pipes. It is particularly suitable for groundwater level observation in hydropower projects and for inspectors monitoring dam body infiltration lines. This device is designed for both construction use and long-term safety monitoring.



Figure 1: The Water Level Meter, featuring a blue reel and a sturdy black stand.

### Key Features:

- **Steel Ruler Water Level Meter:** Provides accurate water level measurements.
- **Compact & Sturdy Design:** Easy to use, accurate to the millimeter. Features a SUS 316L stainless steel probe and a non-stretch tape.
- **Depth Capacity:** Probe is designed for depths up to 100m, ideal for well measurement.
- **Consistent Measurements:** Sensor at the probe tip ensures consistent readings with minimal displacement.
- **Replaceable Probe:** Tape seal plug design allows for quick and easy probe replacement.
- **Ergonomic Design:** Standard reels are balanced, easy to use, with a convenient carrying handle and an excellent brake.
- **User-Friendly Controls:** Equipped with an on/off sensitivity switch, light, buzzer, and a battery test button.

## APPLICATION



- Water Conservancy
- Dam & power Station
- Agricultural Irrigation
- Environmental Protection
- Underground Well Water etc.

Figure 2: Applications of the Water Level Meter in different fields.

## SETUP

Before first use, or if the device is not powering on, ensure the 9V battery is correctly installed.

1. Locate the battery compartment on the side of the reel. It is usually covered by a small panel.
2. Carefully open the battery compartment.

3. Connect a 9V battery to the battery clip, ensuring correct polarity.
4. Place the battery inside the compartment and close the cover securely.

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Video 1: Demonstrates the battery installation process for the water level meter.



Figure 3: Rear view of the water level meter, highlighting the battery access panel and control buttons.

## OPERATING INSTRUCTIONS

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The Water Level Meter operates on the principle of electrical conductivity. When the probe's contact point touches the water surface, it completes an electrical circuit, activating an audible buzzer and a visual indicator light.

1. After ensuring the coil has been rotated and the steel ruler cable is ready, press the power button to turn on the device.
2. Hold the steel ruler cable and slowly lower the probe into the water pipe or well.
3. Continue lowering until the sounder emits a continuous beep and the indicator light flashes. This signifies that the probe's contact point has reached the water surface.
4. Read the depth directly from the steel ruler at the pipe mouth. This reading represents the distance from the pipe mouth to the underwater level.

### Important Notes for Measurement:

- When the probe touches water, both the sounder beeps and the indicator flashes. Slowly lower the cable further to precisely identify the exact moment of contact for accurate reading.
- The accuracy of the reading depends on the timely determination of the buzzer and indicator light activation. Operator proficiency is key; practice is recommended for optimal accuracy.



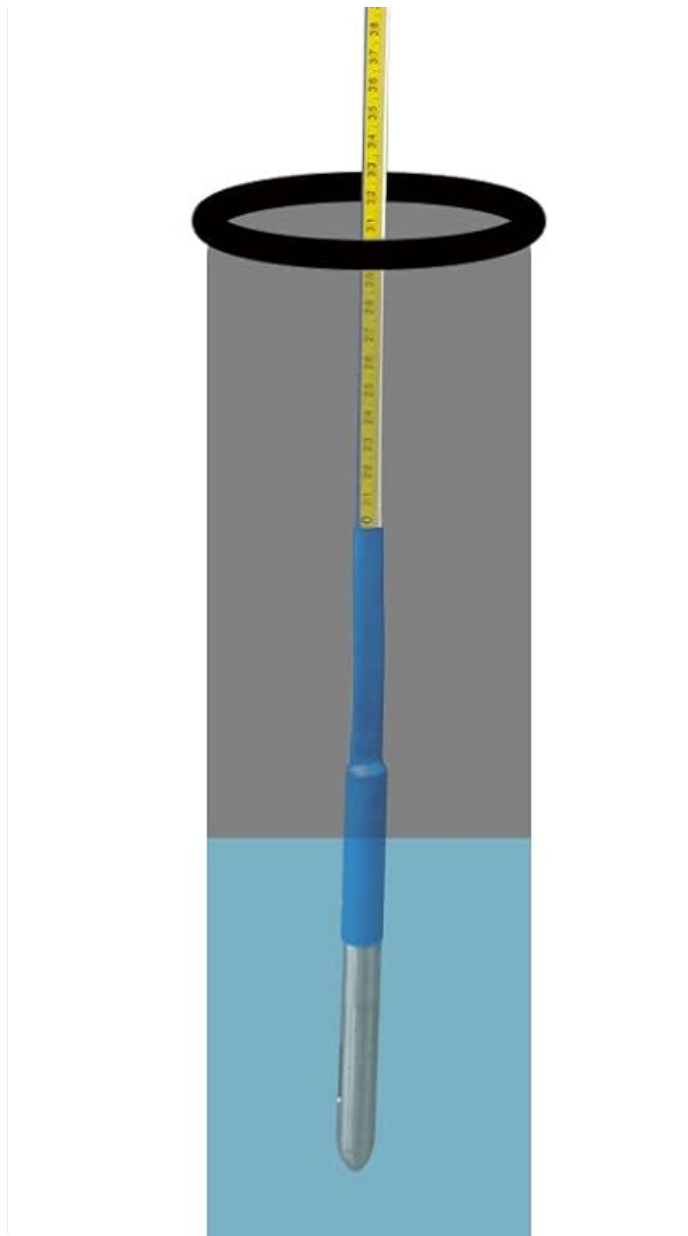


Figure 4: Illustration of the water level measurement process.

## MAINTENANCE

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Proper maintenance ensures the longevity and accuracy of your Water Level Meter.

- **Battery Conservation:** To preserve battery life, immediately turn off the device after completing measurements.
- **Cleaning:** Keep the probe and steel ruler cable clean after each use.
- **Cable Storage:** Neatly wind the steel ruler cable around the reel after use.
- **Cable Handling:** Avoid bending the measuring cable, especially near the probe head, to prevent damage.
- **Probe Care:** Handle the probe gently to avoid severe vibration or impact. If the probe experiences issues, contact the manufacturer for service.

## RECEIPT AND STORAGE

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- **Initial Check:** Upon receipt, verify that the instrument count matches the packing list. Report any discrepancies to the factory immediately.
- **Storage Conditions:** Store the instrument in a room with a temperature range of -10°C to +40°C.
- **Environmental Requirements:** The room's humidity should not exceed 80%, and it must be free of corrosive

gases. Ensure the storage area is dry and well-ventilated.

## SPECIFICATIONS

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Attribute	Detail
Model Number	JMQ
Part Number	JMQ-100M
Brand	Generic
Manufacturer	Gonimi
Item Weight	11.43 pounds
Product Dimensions	17.72 x 10.63 x 12.99 inches
Size	100m
Power Source	Battery Powered
Voltage	9 Volts
Sensor Technology	Conductivity Sensor
UPC	768484198339

## TROUBLESHOOTING

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- **No Buzzer/Light Activation:**

- Check battery installation and ensure it is a fresh 9V battery.
- Verify the power switch is in the "ON" position.
- Ensure the probe is making proper contact with the water. The water must be conductive.

- **Inconsistent Readings:**

- Clean the probe tip thoroughly to remove any residue that might affect conductivity.
- Ensure the cable is not bent or damaged, especially near the probe.
- Practice the measurement technique to improve consistency in identifying the exact water contact point.

## WARRANTY AND SUPPORT

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For any equipment following the rules of transportation, storage, and use, within one month from the date of shipment, if its quality is found to be lower than the technical conditions, the manufacturer is responsible for repair and replacement.

However, the warranty will not be provided if there has been unauthorized dismantling of the unit.

For further support or inquiries, please contact the manufacturer, Gonimi.

