

Mastech MS6818

Mastech MS6818 Cable Locator User Manual

Model: MS6818

1. INTRODUCTION

The Mastech MS6818 is a portable instrument designed for tracing and locating wires, cables, and metal pipes. It consists of a Transmitter (MS6818-T) and a Receiver (MS6818-R), working together to identify and track electrical lines, communication cables, and plumbing systems. This manual provides essential information for the safe and effective use of your device.

2. SAFETY INFORMATION

Always observe basic safety precautions when using this instrument to reduce the risk of fire, electric shock, or personal injury. Read and understand all instructions before operation.

- Do not use the device if it appears damaged or is not operating correctly.
- Ensure proper connection of test leads to avoid electrical hazards.
- The Transmitter can identify AC/DC voltage from 12V to 600V. Exercise extreme caution when working with live circuits.
- Keep the device dry and clean.

3. PRODUCT OVERVIEW

The MS6818 Cable Locator comprises two main units: the Transmitter and the Receiver. Both units feature clear displays and intuitive controls for efficient operation.



Figure 3.1: Mastech MS6818 Transmitter (left) and Receiver (right).



Figure 3.2: Dimensions of the MS6818 Transmitter and Receiver units.

4. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x Receiver (MS6818-R)
- 1 x Transmitter (MS6818-T)
- 1 x Test Leads (Black & Red)
- 1 x Test Probe (Black & Red)
- 1 x Crocodile Clamps (Black & Red)
- 1 x Grounding Rod
- 1 x User Manual



Figure 4.1: All components included in the MS6818 package.

5. SETUP

5.1 Battery Installation

The device requires 1 AAA battery for operation. Open the battery compartment on both the Transmitter and Receiver units, insert the battery according to the polarity indicators, and close the compartment securely.

5.2 Connecting Test Leads

Connect the black and red test leads to the corresponding input jacks on the Transmitter. Attach the test probes or crocodile clamps to the ends of the test leads as required for your application.

6. OPERATING INSTRUCTIONS

The MS6818 is designed for various cable and pipe locating tasks. Below are common applications and operational guidelines.

6.1 General Operation

1. **Power On:** Press the power button on both the Transmitter and Receiver units.
2. **Connect Transmitter:** Connect the Transmitter to the cable or pipe you wish to trace. For non-energized lines, connect one lead to the conductor and the other to a good ground (e.g., using the grounding rod). For live circuits, ensure connections are made safely and within the specified voltage range (AC/DC 12~600V).
3. **Select Transmission Level:** On the Transmitter, use the 'LEVEL SEL' buttons to adjust the signal transmission power (e.g., Level 1, 2, or 3). Higher levels provide stronger signals for longer distances or deeper buried lines.
4. **Select Code:** Use the 'CODE SEL' buttons on the Transmitter to choose a unique signal code. This is useful when multiple transmitters are in use to avoid interference.
5. **Activate Transmitter:** Press 'START/STOP' on the Transmitter to begin signal transmission.
6. **Use Receiver:** Hold the Receiver and move it along the suspected path of the cable or pipe. The Receiver's display will show signal strength and direction, guiding you to the line.
7. **Adjust Receiver Sensitivity:** The Receiver's sensitivity can be adjusted manually or set to auto-mode. Adjust as needed to pinpoint the exact location.
8. **Flashlight Function:** The Receiver includes a flashlight function for use in dimly lit areas.
9. **Auto-Off:** The Receiver features an auto-off function to conserve battery power when not in use.

6.2 Specific Applications

- **Finding Open or Shorted Cables:** Connect the Transmitter to the cable. The Receiver will indicate the presence or absence of the signal, helping to locate breaks or shorts.
- **Tracking Cables in Walls or Earth:** Follow the signal strength indicated by the Receiver to trace the path of the cable.
- **Locating Fuses and Safeguards:** Apply the Transmitter signal to the circuit. Use the Receiver to identify the specific fuse or safeguard that corresponds to the traced line.
- **Finding Sockets or Junction Boxes:** Similar to cable tracking, the Receiver can help pinpoint the location of concealed sockets or junction boxes.
- **Tracking Metal Conduits:** The device can track metal conduits in water or heating projects.

Note: No official seller videos were available for embedding. Customer-created videos were not included as per instructions.

7. MAINTENANCE

To ensure the longevity and accuracy of your Mastech MS6818, follow these maintenance guidelines:

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the instrument in a cool, dry place, away from direct sunlight and extreme temperatures. Remove batteries if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace batteries promptly when the low battery indicator appears on the display.

8. TROUBLESHOOTING

If you encounter issues with your MS6818, consider the following common troubleshooting steps:

- **No Signal/Weak Signal:**
 - Check battery levels in both Transmitter and Receiver.

- Ensure test leads are securely connected and making good contact with the target line and ground.
- Increase the transmission level on the Transmitter.
- Adjust the Receiver's sensitivity.
- Verify the target line is not completely open or shorted too close to the connection point, which might affect signal propagation.

- **Interference:**

- Change the signal code on the Transmitter.
- Ensure no other active transmitters are nearby using the same frequency.

- **Display Issues:**

- Check battery levels.
- Restart the device.

For persistent issues, refer to the detailed user manual provided with the product or contact Mastech customer support.

9. SPECIFICATIONS

Feature	Specification
Brand	Mastech
Model Number	CECOMINOD095613
Power Source	Battery Powered
Batteries Required	1 AAA batteries
Color	Red, Black
Item Weight	1.55 Pounds
Package Dimensions	11.73 x 8.11 x 3.39 inches
Voltage Scope (Transmitter)	AC/DC 12~600V
Date First Available	August 15, 2012

10. WARRANTY

Warranty information for the Mastech MS6818 is typically provided with the product packaging or on the manufacturer's official website. Please refer to those resources for details regarding warranty coverage, terms, and conditions.

11. SUPPORT

For technical assistance, product inquiries, or service requests, please contact Mastech customer support through their official website or the contact information provided in your product documentation.

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