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Fisher TW-6

Fisher Labs TW6 Split Box Pipe and Cable Locator Instruction Manual



INTRODUCTION

This manual provides detailed instructions for the proper setup, operation, and maintenance of your Fisher Labs TW6 Split Box Pipe and Cable Locator. Please read this manual thoroughly before using the device to ensure safe and effective operation.



The image displays the Fisher Labs TW6 Split Box Pipe and Cable Locator. It consists of two main units: a receiver and a transmitter, both housed in red cases with black control panels. The receiver unit, on the left, features an accessory input, sensitivity control (High/Normal), a battery test button, power switch, and headphone jack. The transmitter unit, on the right, includes controls for continuous tone and warble tone, a power switch, and an accessory output. Also visible are connecting cables and a ground stake, essential accessories for conductive locating. The units are designed for portability, resembling small suitcases when closed.

Safety Information

Always observe the following safety precautions to prevent injury and damage to the equipment:

- Do not operate the locator in hazardous environments without proper safety gear.
- Ensure all connections are secure before powering on the device.
- Keep the device away from water and extreme temperatures. The International Protection Rating is IP54, meaning it is protected from dust and splashing water, but not immersion.
- Use only the specified battery type and ensure correct polarity during installation.
- Avoid direct contact with live electrical lines. Always assume buried lines are live until confirmed otherwise.

Components Overview

The Fisher Labs TW6 system comprises two primary units and essential accessories:

- **Receiver Unit:** Used to detect the signal emitted by the transmitter. Features include:
 - Accessory Input

- Sensitivity Control (High/Normal)
- Battery Test Button
- Power Switch
- Headphone Jack
- **Transmitter Unit:** Generates a signal that is applied to the pipe or cable. Features include:
 - Continuous Tone Selector
 - Warble Tone Selector
 - Power Switch
 - Accessory Output
- **Connecting Cables:** Used to establish a conductive connection between the transmitter and the target line.
- **Ground Stake:** Provides an earth ground for conductive locating.

SETUP

Battery Installation

1. Locate the battery compartment on both the Receiver and Transmitter units.
2. Open the compartment and insert the required batteries, ensuring correct polarity. The device requires batteries for operation.
3. Close the battery compartment securely.
4. Perform a battery test on the Receiver unit by pressing the 'BATTERY TEST' button. The meter should indicate sufficient power.

Connecting Accessories

- For conductive locating, connect one end of the connecting cable to the 'ACCESSORY OUTPUT' on the Transmitter unit.
- Connect the other end of the cable to the target pipe or cable.
- Insert the ground stake into the earth a short distance from the target line and connect it to the remaining terminal on the Transmitter unit.
- If using headphones, plug them into the 'HEAD PHONES' jack on the Receiver unit.

OPERATING INSTRUCTIONS

General Operation

1. Ensure batteries are installed and tested.
2. Turn on both the Receiver and Transmitter units using their respective power switches.
3. Select the desired tone on the Transmitter: **Continuous Tone** for a steady signal or **Warble Tone** for a modulated signal, which can sometimes be easier to distinguish.

On-Handle Operation (Inductive Locating)

This method is used when direct connection to the target line is not possible. The transmitter induces a signal into the ground, which is then picked up by the receiver.

1. Place the Transmitter unit on the ground directly above or near the suspected location of the pipe or cable.
2. Set the Transmitter to either Continuous or Warble Tone.

3. Carry the Receiver unit and sweep the area, listening for the signal. The signal will be strongest directly over the buried line.
4. Adjust the 'SENSITIVITY' control on the Receiver to refine the signal and pinpoint the exact location. Use 'HIGH' sensitivity for deeper lines or weaker signals, and 'NORMAL' for shallower lines or stronger signals.

Conductive Locating

This method provides a more precise locate by directly applying the transmitter's signal to the target pipe or cable.

1. Connect the Transmitter to the target pipe or cable and to the ground stake as described in the Setup section.
2. Turn on the Transmitter and select a tone.
3. Turn on the Receiver and begin sweeping the area.
4. Follow the strongest signal to trace the path of the buried line. The signal will peak directly over the line.
5. Adjust Receiver sensitivity as needed to maintain a clear signal.

MAINTENANCE

- **Cleaning:** Wipe down the units with a damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** Remove batteries if the device will not be used for an extended period to prevent leakage. Always replace all batteries at the same time.
- **Storage:** Store the locator in a dry, cool place, away from direct sunlight and extreme temperatures.

TROUBLESHOOTING

- **No Signal:**
 - Check if both Receiver and Transmitter units are powered on.
 - Verify battery levels using the battery test function. Replace batteries if low.
 - Ensure all cables are securely connected for conductive locating.
 - Confirm the ground stake has good contact with the earth.
- **Weak or Intermittent Signal:**
 - Increase the sensitivity on the Receiver unit.
 - Ensure the Transmitter is positioned correctly relative to the target line.
 - Check for strong electromagnetic interference from other sources.
- **False Signals:**
 - Reduce Receiver sensitivity.
 - Ensure there are no other metallic objects or utilities nearby that could be picking up the signal.

SPECIFICATIONS

Feature	Detail
Brand	Fisher
Model Number	TW-6

Feature	Detail
Operating Frequency	81.92 KHz
International Protection Rating	IP54
Power Source	Battery Powered
Batteries Required?	Yes
Material	Acrylonitrile Butadiene Styrene
Color	Black, Red
Recommended Uses	Metal Detection
Manufacturer	Fisher Labs
ASIN	B009HCUZA2
Date First Available	September 26, 2012




WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact Fisher Labs directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase for any warranty claims.



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Related Documents - TW-6

	Fisher M-101 Rebar Locator & Metal Probe Operating Manual Operating manual for the Fisher M-101 Rebar Locator & Metal Probe, detailing its features, controls, operation, principles, specifications, warranty, and service information from Fisher Research Laboratory.
	Fisher Gold Bug-2 Metal Detector Operating Manual Comprehensive operating manual for the Fisher Gold Bug-2 metal detector, detailing setup, operation, features, and maintenance for prospectors and treasure hunters. Learn about its high-frequency detection and mineralization capabilities.
	Fisher F19 Metal Detector Owner's Manual and Operation Guide Comprehensive owner's manual for the Fisher F19 metal detector, covering assembly, operation, basic metal detecting principles, ground balancing, target identification, and troubleshooting. Features detailed instructions for relic hunting and gold prospecting.



[Fisher F75 Special Edition Metal Detector User Manual](#)

Comprehensive guide to operating the Fisher F75 Special Edition metal detector, covering features, assembly, modes, techniques, and specifications for coin shooting, relic hunting, and gold prospecting.



[Fisher M-Scope Portable Walk-Through Metal Detector Operation Manual](#)

This operation manual provides detailed instructions for the Fisher M-Scope Portable Walk-Through Metal Detector, covering assembly, operation, features, and troubleshooting for security applications.



[Fisher M-66 Valve and Box Locator \(Metal Detector\) Operating Manual](#)

Operating manual for the Fisher M-66 Valve and Box Locator, an all-metal detector designed for finding buried metal objects, suitable for utility industry use. Covers setup, tuning, searching, specifications, and warranty.