

# FML-3

WATER  
PROOF  
UP TO 75'

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## FML-3 KEYPAD



**LCD Meter:** fills with the strength of the detected signal and indicates 'polarity' by a "+" or "-" sign display in the top of the LCD

**Speaker:** Loud & Clear. Reports the change in detected signal, from low to high frequency as the target is approached.

All switches are touch pad switches.

**Zero:** Used to adjust the unit to allow for magnetics anomalies such as magnetic gradient in the soil. Be sure you are not detecting a target when hitting the "zero" button. Unit returns to normal tuning after being turned OFF.

**ON/OFF:** Turn the unit "ON" or turn the unit "OFF"

**Gain Up:** Increase the 'sensitivity' 8 positions.

**Gain Down:** Decrease the 'sensitivity' 8 positions.

**Micro-Processor:** Gain settings are stored in memory for next use.

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MFML-3

Rev.2

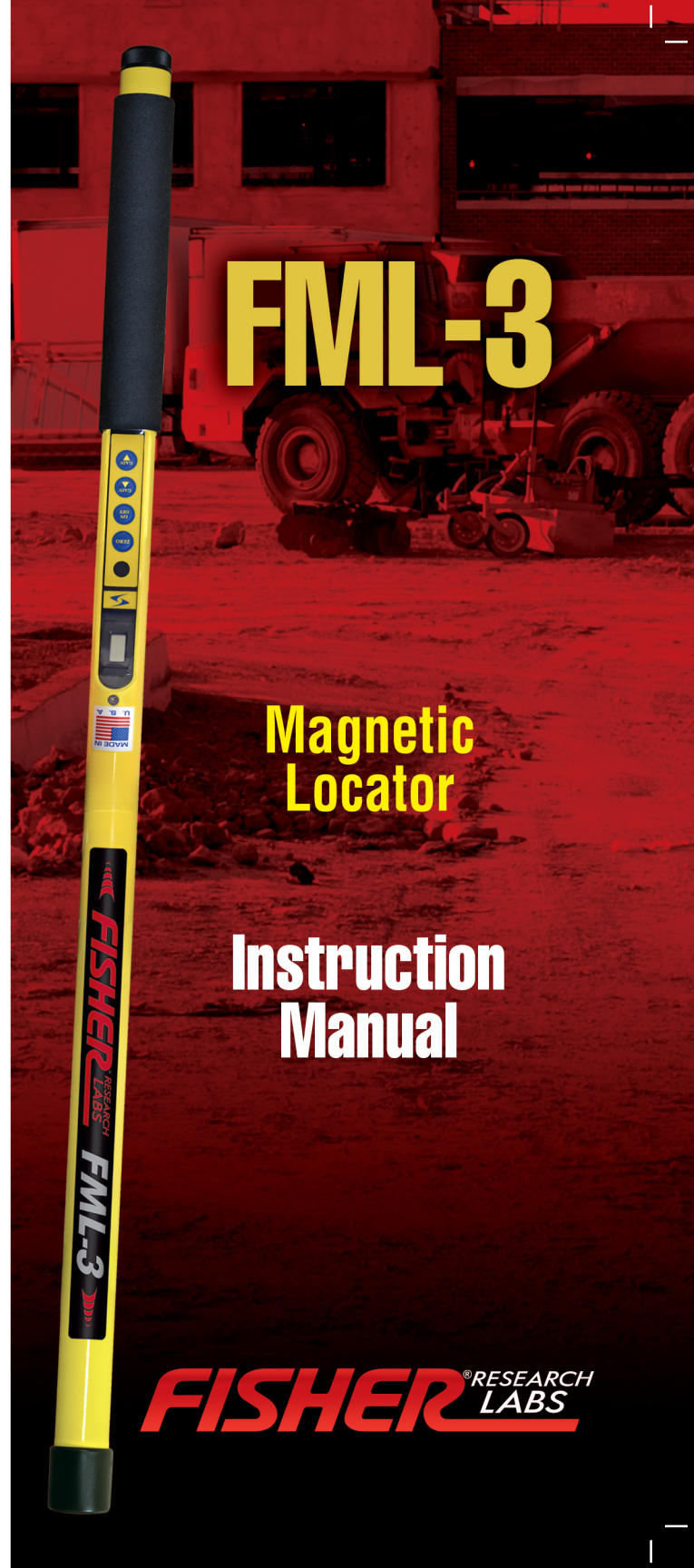
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# FML-3

Magnetic  
Locator

Instruction  
Manual

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## 'PIN-POINTING' THE TARGET

Upon locating the target using the "Search or Survey" method, you can detect the exact location of a target such as a "PK", "MAG-Nail" or other steel or iron target by following these steps:

1. Change the GAIN setting to the lowest setting that will still define the target, by using the GAIN UP or GAIN DOWN button.
2. Bring the locator to a vertical position by simply allowing it to hang vertical, while you hold the unit loosely.
3. Move the locator back & forth in such a fashion as to create an "X" pattern over the target.
4. Move the center of the "X" directly over the target by positioning the crossing position of the "X" at the peak volume.

## LOCATOR OPERATION

Turn the POWER on or off by pressing the ON/OFF button on the keypad. There is no volume control. To change the GAIN (sensitivity) setting, repeatedly press the GAIN UP button to increase the sensitivity, and the GAIN DOWN button to decrease the sensitivity. Each push of a GAIN button changes the sensitivity up or down ONE increment at a time, out of 8 possible settings. A micro-processor remembers the GAIN settings, and when turned back on, the locator returns to the setting last used before it was turned off. Don't know what GAIN setting you're on? Press the GAIN DOWN button several times (more than 7), to ensure that you are on the lowest setting. Then press the GAIN UP button and count up to 7 (or vice versa down from the highest setting). If starting from the lowest setting, 3 or 4 clicks up is a good setting to begin locating. Our FML-3 locator has sensitivity settings that are more linear than competitive models which make larger non-linear jumps between settings, giving the impression that such units are more sensitive on lower settings.

## SEARCH OR SURVEY WITH THE FML-3

Walk slowly, sweeping the locator back & forth in front of you. If your target is small or very deep, use a higher GAIN setting and walk slower, with a slower sweeping motion. Normally a medium GAIN setting and a little less than normal walking pace will do fine. NOTE: Any ferrous metal objects on your person, such as watches, pocket knives, large belt buckles, cell phones or steel-toed shoes will interfere if the locator move to close to them.

## REPLACING THE BATTERIES

Three (3) 9V Alkaline Batteries. Unscrew the cap on top of the FML-3 to expose holder end. Pull the battery holder out by the tab so you can service it. Replace all three 9V batteries with new ones. Replace wires into housing. Slide the battery holder back into the tube, tab end out. Replace the cap to the FML-3 & properly discard old batteries. Verify unit turns on.

## 7-YEAR WARRANTY

The FML-3 is guaranteed to be free of defect in materials and workmanship for 7 years to the original end user/purchaser. Only authorized repair personnel can repair units. Abuse, battery acid and water damage are explicitly excluded from warranty. Fisher® Research Labs, its owners, employees and assigns shall not be liable for any action, inaction, injury, property or consequential damage sustained or expenses incurred from the use or misuse of this product. Liability under this warranty is absolutely limited to repair, service or replacement of the instrument, at the sole discretion of Fisher® Research Labs. No other warranty is expressed or implied.

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