

# Magnetic Locators

## SubSurface Instruments Magnetic Locators

SubSurface Instruments Magnetic Locators (ML) are used to locate buried ferrous metals objects – such as steel drums, surveyor nails, manhole covers, rebar property markers, or even minefield sweeps. Each instrument features a strong mono-tube construction that provides lasting structural integrity and simple one-hand operation with easy-to-learn keypad.

### ML-1 & ML-1M FEATURES

- Easy and simple, one handed operation – 3 keypad switches
- ON/OFF button: Turns unit on or off.
- Gain Up button: Increases the locating sensitivity of the unit.
- Gain Down button: Decreases the locating sensitivity of the unit.
- Strong aluminum “MonoTube” construction from the tip through the end of the handle. The ABS injection molded electronics compartment provides the best structural integrity in a hand-held locator.
- Lightweight - just over 2 pounds, including batteries.
- Volume built into the ON/OFF key: just hold down the key while it cycles through settings.
- Microprocessor remembers the volume and gain settings from the last time the unit was on.
- Battery compartment separated from electronic components and circuit board.
- No exposing electronics to replace the batteries.
- Non-metered (ML-1), and Metered (ML-1M) versions designed to look, feel, and operate exactly the same.
- The metered version (ML-1M) adds features without complexity. No learning curve between units.
- Detection of buried ferrous metal objects at depths up to 10'.
  - Handgun: 1' to 2'
  - 175mm projectile: 4' to 5'
  - Water Shutoff Valve: 6' to 10'
- Soft-pack carrying case included. Hard case optional.
- Over 5000 ML-1M units in Afghanistan used for detection of improvised explosive devises (IEDs) and Unexploded Ordnances (UXOs).
- 7 year warranty.



### ML-1 & ML-1M SPECIFICATIONS

<b>Overall Length:</b>	Aluminum tube is 39" (98.4cm). The electronics compartment is 3.25" (8.25cm) tapered to 2.5" (6.4cm) wide x 4.5" (10.15cm) deep tapered to 2.5" (6.4cm).
<b>Weight:</b>	2 lbs. (0.9kg) including batteries.
<b>Battery Life:</b>	Under normal operation, approximately 30 hours.
<b>Input Power:</b>	Two standard 9-volt alkaline batteries in custom molded bottom compartment.
<b>Function:</b>	Electronic keypad that clicks when a key is depressed.
<b>Audio:</b>	A real speaker is in the front panel providing outstanding volume. The speaker pitch increases in frequency proportional to field intensity.
<b>Visual:</b>	ML-1M model has LCD display with bar graph indicating relative strength of signal and polarity. Flashing battery symbol indicates low battery.
<b>Construction:</b>	Exterior Sensor Tube made of aircraft grade aluminum. Electronic Compartment made of ABS injection molded plastic.
<b>MADE IN USA</b>	Built and serviced entirely in Wisconsin.

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

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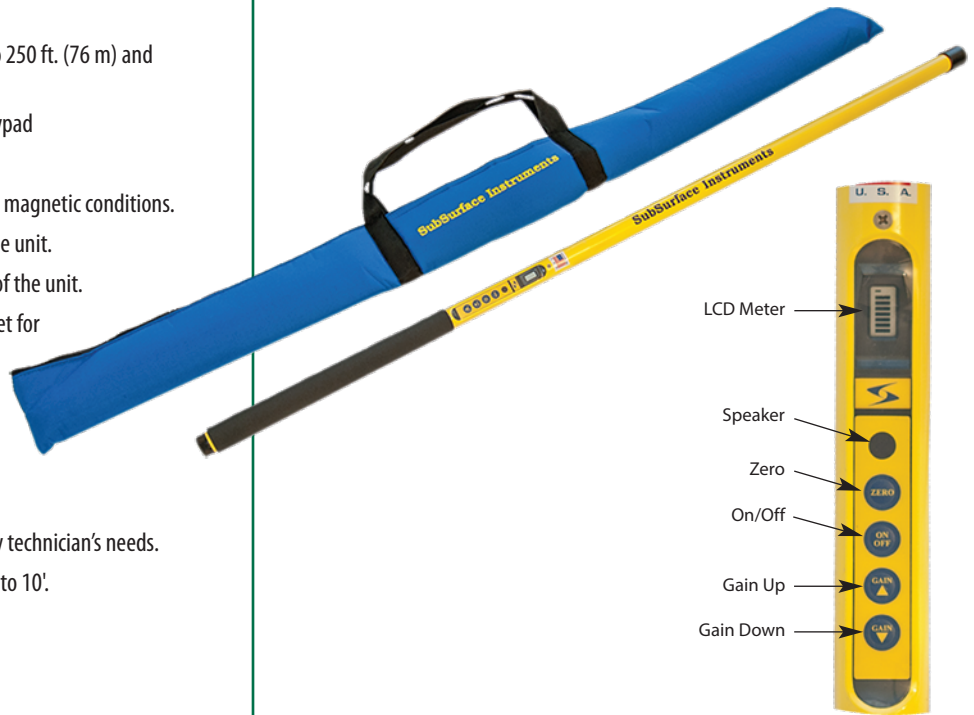
email: sales@geotechenv.com website: www.geotechenv.com

# Magnetic Locators

## SubSurface Instruments Magnetic Locators

### ML-3S & ML-3L FEATURES

- IP68 Certified. Waterproof tested to water depths up to 250 ft. (76 m) and a complete protection against dust, dirt, and sand.
- Easy to use one handed operation with four button keypad
- ON/OFF button: Turns unit on or off.
- ZERO button: Automatically calibrates unit to ambient magnetic conditions.
- Gain Up button: Increases the locating sensitivity of the unit.
- Gain Down button: Decreases the locating sensitivity of the unit.
- Includes soft case with carrying straps and inside pocket for batteries and manual
- Rugged construction suitable for field conditions
- Varying pitch audio signal mode using a moving coil speaker for enhanced audio output.
- Low battery indicator with flashing LCD.
- With a choice of 2 lengths (40" or 55"), it will fulfill any technician's needs.
- Detection of buried ferrous metal objects at depths up to 10'.
  - Handgun: 1' to 2'
  - 175mm projectile: 4' to 5'
  - Water Shutoff Valve: 6' to 10'
- Underwater Search and detection of:
  - Submerged Vehicles    UXOs and Mines
  - Salvageable Wrecks    Pipes and Cables
- Optional aluminum hard case available
- 7 year warranty.



### ML-3S & ML-3L SPECIFICATIONS

<b>Overall Length:</b>	Short version - 40" (101.6cm) Long version - 55" (139.7cm)
<b>Weight:</b>	Short version - 1.8 lbs. (0.8kg); Long version - 2.5 lbs. (1.13kg) including batteries.
<b>IP68 Certified:</b>	Waterproof tested to water depths up to 250 ft. (76 m) and a complete protection against dust, dirt, and sand.
<b>Audio:</b>	Speaker pitch increases in frequency proportional to field intensity.
<b>Visual:</b>	LCD display with bar graph indicating polarity and relative strength of signal. When lights are flashing it also indicates low battery.
<b>Input Power:</b>	Three standard 9-volt alkaline batteries.
<b>Battery Life:</b>	Under normal operation, approximately 40 hours.
<b>Operation</b>	
<b>Temperatures:</b>	-13° to 140°F (-25° to 60°C)
<b>Construction:</b>	Exterior Sensor Tube made of aircraft grade aluminum.
<b>MADE IN USA</b>	Built and serviced entirely in Wisconsin.

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