



**ULTRA-TRAC® MJL**  
METALLIC JOINT LOCATOR

**ULTRA-TRAC® MJL** accurately locates metallic pipe features!

MADE IN USA

**SENSIT**  
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Innovative Detection Solutions

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# ULTRA-TRAC® MJL

**Metallic Joint Locator (MJL) accurately locates metallic pipe features. Reduces excavation and repair costs.**

**ULTRA-TRAC MJL** is used to find Bell Joints, Repair Clamps and Service connections on underground metal piping systems.

The instrument helps reduce excavation area during traditional and keyhole excavation projects.

**ULTRA-TRAC MJL** Detects Iron and Steel Piping systems. It will not detect, non-magnetic materials such as Aluminum and Copper.

**ULTRA-TRAC MJL** is lightweight and constructed of weather resistant materials to withstand the rigors of field use.

**ULTRA-TRAC MJL** is

- Accurate
- Durable
- Easy to Use
- Easy to Maintain
- Made in USA



## Standard Features:

- Adjustable "Tick" for Easy Locating
- Graphic Display
- Battery Strength Indicator

## Materials Detected:

- Carbon
- Cast Iron
- Ductile Iron
- Stainless Steel
- Steel



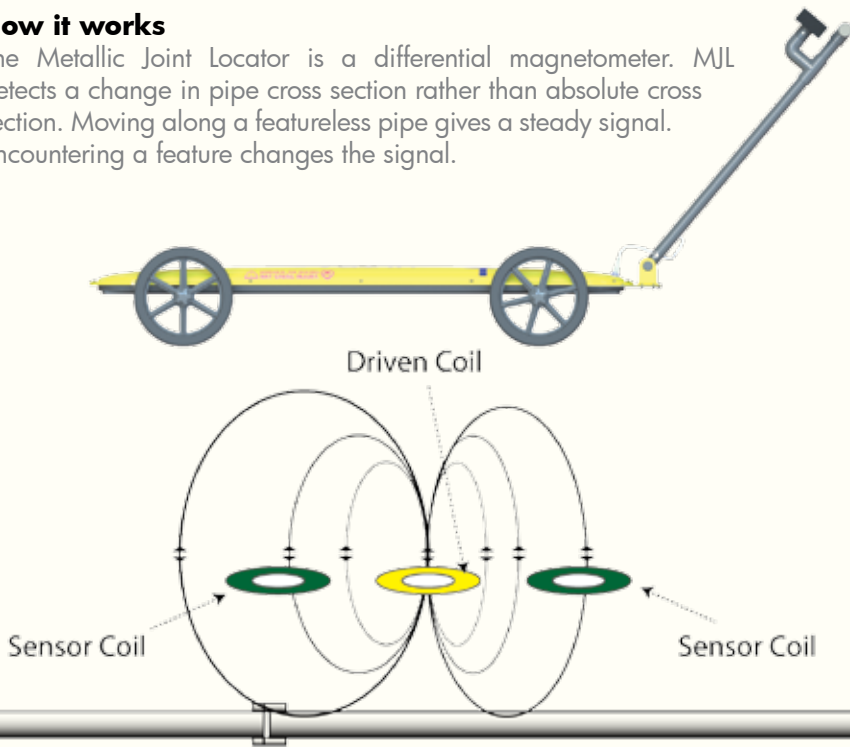
## Pipe Features Detected:

- Cast Iron Bell Joints
- Ductile Cast Iron Bell Joints
- Chill Rings
- Service Taps
- Service Stubs
- Repair Clamps
- Pipe Plugs



## How it works

The Metallic Joint Locator is a differential magnetometer. MJL detects a change in pipe cross section rather than absolute cross section. Moving along a featureless pipe gives a steady signal. Encountering a feature changes the signal.



Extra Metal in Joint Unbalances Magnetic Reluctance Bridge

## Frequently Asked Questions:

### What metals does MJL detect?

- Brass
- Carbon
- Cast Iron
- Ductile Iron
- Steel
- Stainless Steel

### What metals does MJL not detect?

- Aluminum
- Copper

### Should I locate the line before using the MJL?

Yes. It is best to locate first. Locating can be done by rolling at 90° to the suspected area.

### Will MJL only detect gas lines?

No. The MJL will detect any metallic subsurface structures including conduits and ducts.

### What depth does MJL work?

MJL is designed to locate Bell Joints on 4" Cast Iron at 50" Depth. Smaller piping systems provide less signal. The larger the change in metallic mass, the stronger the signal.

## PRODUCT SPECIFICATIONS

Size:	80.5" X 21" X 17" (2.05 x .54 x .43 M)
Weight:	35 lbs. (2.8 kg)
Operational Temp:	0 - 120° F (-18 to 54.4° C)
Storage Temp:	-20 - 140° F (-29 to 55.5° C)
Battery Life:	Alkaline: Approximately 20 hrs. Continuous





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