

# Magnawand ID2100

## Premium Ferrous Metal Detector

### Features:

Industries Best Performance

Rugged & Tough Design

Very User-Friendly

Affordability



Easy-To-Use

Locates valves 9<sup>FT</sup> deep

Locates survey markers 8<sup>FT</sup> deep

The Magnawand ID 2100 patented (TID) Target Identification System saves users time and money by helping prevent users from digging unnecessary holes. This system makes finding manhole covers, valve boxes, catch basins, septic tank handles, oil tanks, steel drums, well casings, cast iron pipe and more, a much easier task. The Magnawand dual mode (1 or 2) allows users to select either standard detection mode or TIS mode, where users can now ID horizontal or vertical targets. Target ID is indicated by both audible and visual Red/Green LED's



### Rugged & Tough

*Perfect for large or small construction job sites.*



### Best Performance

*Excellent even when locating targets near fence lines.*



### Can Be Submerged

*Up to 30" to handle. Also can be used from -13°F to +140°F.*



## Instructions



**Settings - The ID 2100 Magnetic Locator and Identifier offers 2 settings:**

**Setting 1:** Detector performs like a basic magnetic locator. All signals from ferrous metal objects including horizontal will be indicated with an **audio tone** and **red LED**. No green LED will show in setting 1.

**Setting 2:** Patented (TID) Target Identification system. Using the TID function will determine if a target object is vertical, horizontal, or junk metal, saving time digging unnecessary holes.

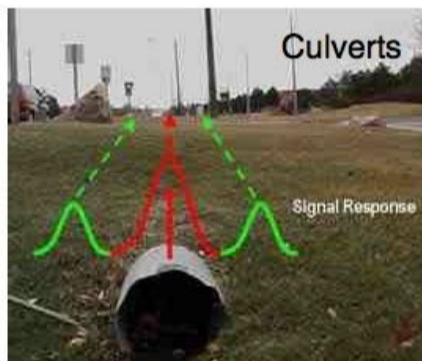


To start search turn sensitivity control up approx 1/2. Hold tip close to ground & move forward swinging detector left and right. To pinpoint a target hold detector vertically over target object.



**Fence** - Interfering false signals from the fence can create a big problem trying to locate a target. The ID2100 patented system handles this with ease. Here is how it works:

Hold locator at a slight angle to the fence. A **mode tone & green LED** will appear. Next move locator along the fence line. When a strong **audio tone & red LED** appears, this will indicate a possible vertical target object. The strong audio peak and red LED will overpower signal from fence. This unique feature also makes searching simple when an old fence is flat or hidden.

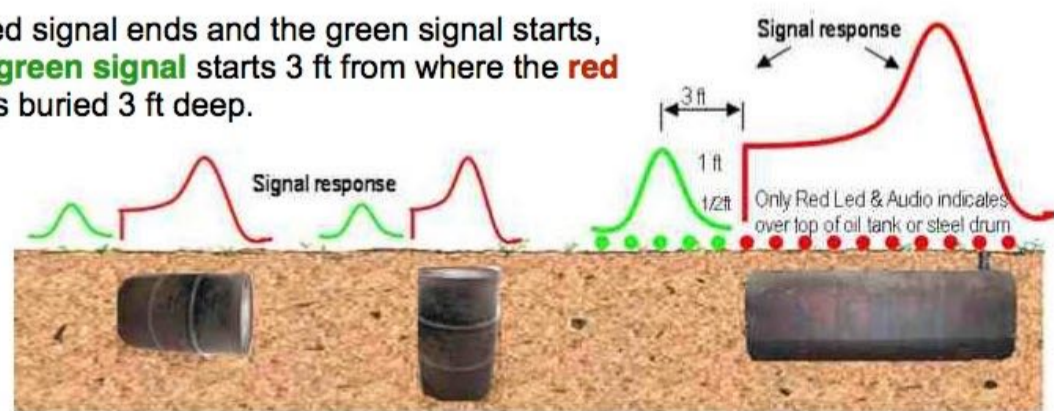


**Culverts** - Magnawand can pinpoint culverts to within inches of center & along its length. Culverts like other large objects send out interfering ferrous signals which could be interpreted as the culvert. The (TID) function will identify these false signals with a **green LED & mode tone**. The culvert will show a **red LED & audio tone** along its center length. The deeper the culvert is buried the **red LED** and **audio** will become the only signal indication. The depth the culvert is buried can be determined using the TID.

### Locating Buried Oil Drums or Oil Tanks

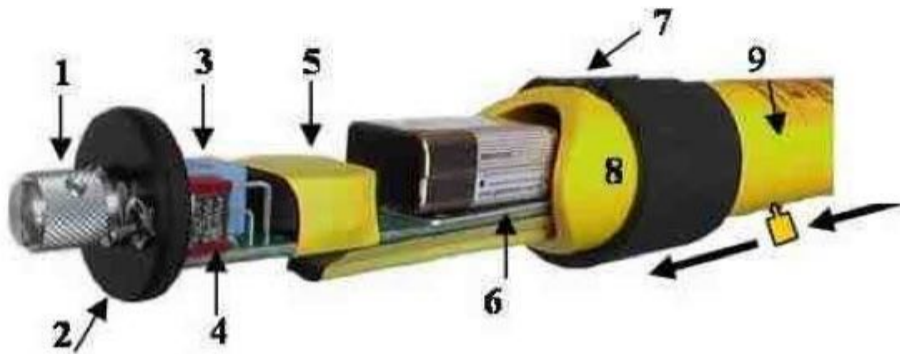
The further the distance between where the red signal ends and the green signal starts, the deeper the tank is buried. Example: if the **green signal** starts 3 ft from where the **red signal** stopped when over the tank, the tank is buried 3 ft deep.

We recommend digging in the **green zone** first to avoid hitting the tank or steel drum. The deeper the drums or tanks are buried the **red LED** and **audio** will become the only signal.





## Parts List



A pulsating tone indicates low battery. The locator can still be used for some time before replacement is necessary. Loosen screw 2 turns & push along slot to expose battery.

### Part Number and List:

- 1 Sensitivity control knob
- 2 Face Slug
- 3 Sensitivity potentiometer
- 4 Setting switch
- 5 Speaker
- 6 Battery clip
- 7 Speaker grill
- 8 ABS tube
- 9 Battery release screw
- 10 Speaker transformer
- 11 Rubber tip shoe
- 12 Red/green LED
- 13 Carrying case with adjustable strap

### Locating Depths of Target Objects:

- 8ft Survey Markers
- 1ft PK Nail
- 10 ft Valve & Curve boxes
- 10 ft Manhole covers
- Catch Basins
- Fire Hydrants
- 8ft Cast Iron Pipes
- 4 ft Septic Tank Handles
- 17 ft Well Casings
- 5 to 12 ft Steel Drums
- 15 ft Oil Tanks
- Road Culvert Varies

### Specifications:

- Volume increases automatically when object is detected
- Detector is waterproof up to handle grip 30 inches
- Operating temperature - 13 to 140<sup>o</sup> F (-25 to 60<sup>o</sup> C)
- Uses one 9 volt battery (50 hrs intermittent use)
- Low battery indication. (See above)
- Circuit board is advanced surface mount technology
- Circuitry is moisture protected by conformal coating
- Weighs just under 2lbs. - 0.9 kg
- Overall length is 34 inches
- Not affected by ground metals
- Three year warranty



# Authorized USA Distributor:

Authorized Distributor:



## Magnawand ID2100

**SALES  
TRAINING  
REPAIR & CALIBRATION**



Address: 6981 Eastgate Blvd., Lebanon, TN 37090  
Tel/Fax: T (615) 285-3952 F (615) 285-3970  
Email: [sales@tracerelectronicsllc.com](mailto:sales@tracerelectronicsllc.com)  
Website: [www.tracerelectronicsllc.com](http://www.tracerelectronicsllc.com)