

**FISHER** RESEARCH  
LABS

**FPID 2100**

**Magnetic Locator & Identifier**



**Operating Manual**



## FEATURES

The Fisher FP ID 2100 features a patented (TID)<sup>™</sup> Target Identification System designed to save you time from digging unnecessary holes, especially in hard or frozen ground

Great for Utilities, Water Work Municipalities, and Construction Road departments to locate manhole covers, catch basins, cast iron pipes, septic tank handles, oil tanks, steel drums, well casings and more.

The FP ID 2100 can effectively locate valves and curbs up to 9ft deep, survey markers up to 8ft deep, and PK nails up to 14" deep. The FP ID 2100 provides performance so controlled it can distinguish between a manhole cover and a close iron valve.

In the Fisher tradition, the FP ID 2100 is affordable, tough, and simple to use while providing maximum performance. A three year limited warranty comes standard with the unit.

- Unbeatable performance locating targets near a fence line.
- Pinpoints to 1 inch of center for Valves and Curb boxes
- Excellent for finding buried ferrous objects including PK nails, iron pipes, valve covers, masonry nails and old hidden culverts.
- Made of strong ABS. Unique end design also protects the switches and the operator is still able to use the controls when wearing thick gloves.
- Pulsating tone/Low battery indication and quick, easy battery replacement.

## FPID 2100 FUNCTIONS

**IN SETTING 1:** THE DETECTOR PERFORMS AS A BASIC MAGNETIC LOCATOR.

Signal from ferrous metal objects including horizontal will be indicated with AUDIO TONE and RED LED.

**NOTE:** No Green LED will show in Setting 1.

**RED**

**GREEN**

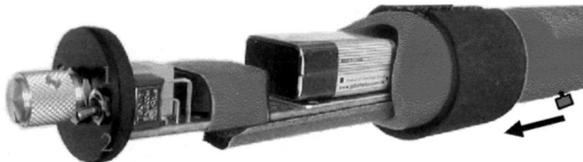
**ON/OFF AND  
SENSITIVITY  
CONTROL**



**IN SETTING 2:** PATENTED (TID) TARGET IDENTIFICATION SYSTEM. WE RECOMMEND USING (TID) FUNCTION AT ALL TIMES.

This feature will save you time digging unnecessary holes in the ground.

## BATTERY REPLACEMENT



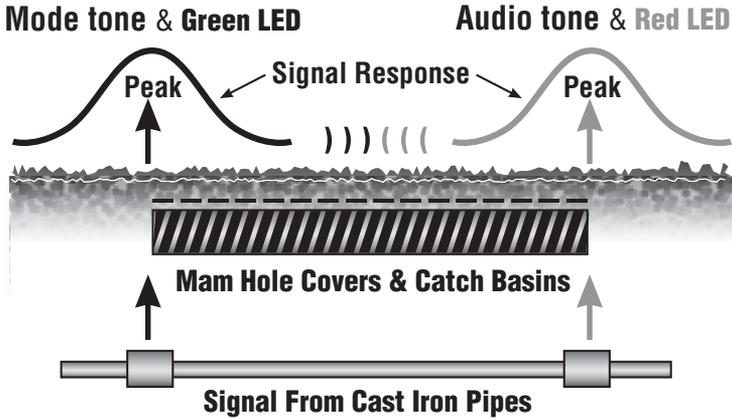
A PULSATING TONE INDICATES **LOW BATTERY**. YOU CAN STILL USE THE LOCATOR FOR SOME TIME BEFORE REPLACING. LOOSEN SCREW 2 TURNS & PUSH ALONG SLOT TO EXPOSE THE BATTERY.

**NOTE:** DO NOT PULL ON THE SENSITIVITY KNOB

# DEPTH CHART

## HORIZONTAL OBJECTS

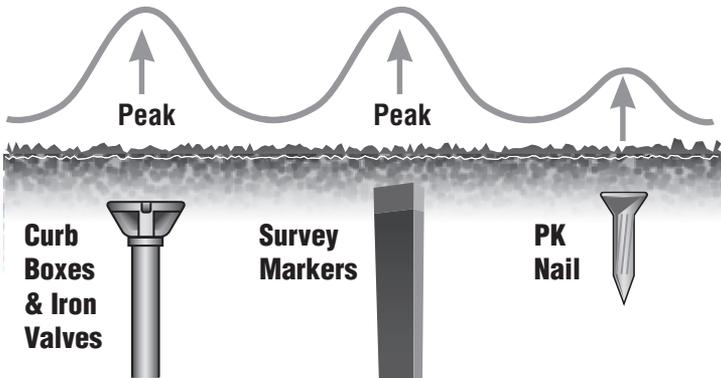
show 2 strong signal peaks at the ends



## VERTICAL OBJECTS

The detector Will show only the

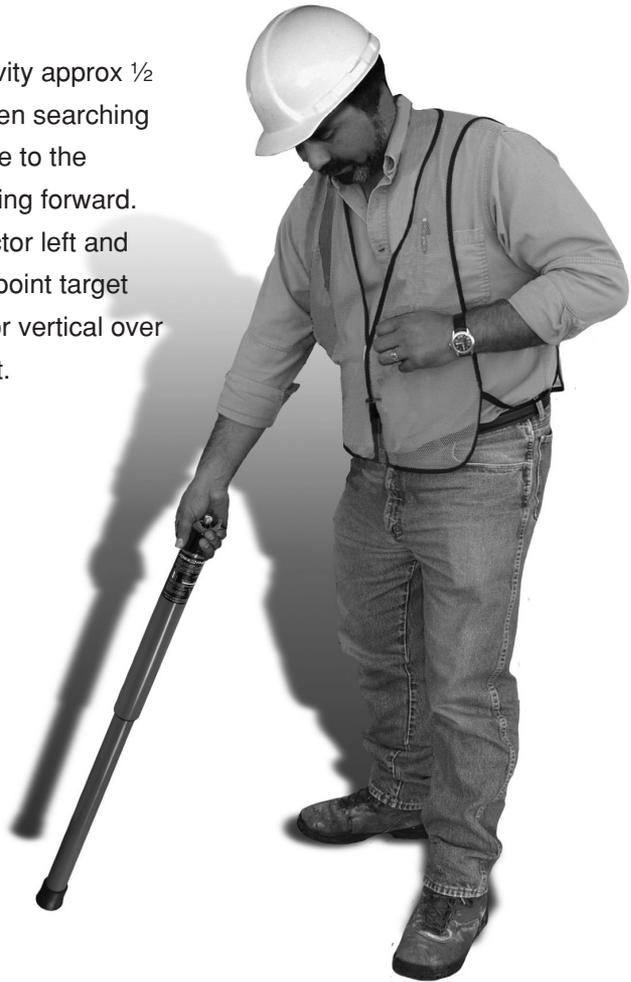
**Red LED & Audio tone peak for Vertical Target Objects**



### LOCATING DEPTHS UP TO IN FEET

9ft Survey Markers	17ft Well Casing
1ft PK Nail	5 to 12ft Steel Drums
10ft Valve & Curb Boxes	15ft Oil Tanks
10ft Manhole Covers	Road Culverts
8ft Cast Iron Pipes	Catch Basins
4ft Septic Tank Handles	Fire Hydrants

Turn sensitivity approx 1/2 way up. When searching hold tip close to the ground moving forward. Swing detector left and right. To pinpoint target hold detector vertical over target object.



## SPECIFICATIONS

Operating Temperature.....	-13 to 140oF (-25 to 60oC)
Power Supply .....	1 - 9V Battery
.....	55 hours intermittent use
.....	low battery indication
Weight .....	2 lbs. (.9 kg)
Dimensions.....	Overall length 34 inches
Submersible in water up to the handle grip (30")	
Circuit Board is surface mount technology & has a silicon protected coating	

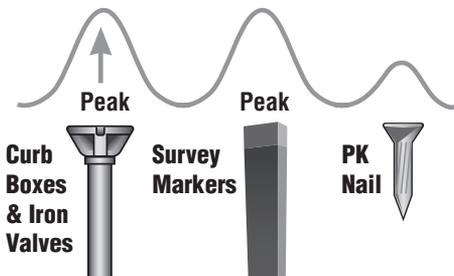
# INSTRUCTIONS FOR SETTING 2 TID

## LOCATING NEAR FENCE LINES



Hold locator at a slight angle to 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.

This unique feature also makes discriminating between real targets and junk metal very simple.



A strong **Audio Tone** and **Red LED** from a Vertical Target will over power the **Mode Tone & Green LED** signal from the fence.

## AUDIO AND VISUAL SIGNALS FROM A CULVERT



Culverts like other large metal objects send out interfering ferrous signals which could be interpreted as the Culvert. The (TID) function will identify these false signals with a the **Mode Tone & Green LED**.

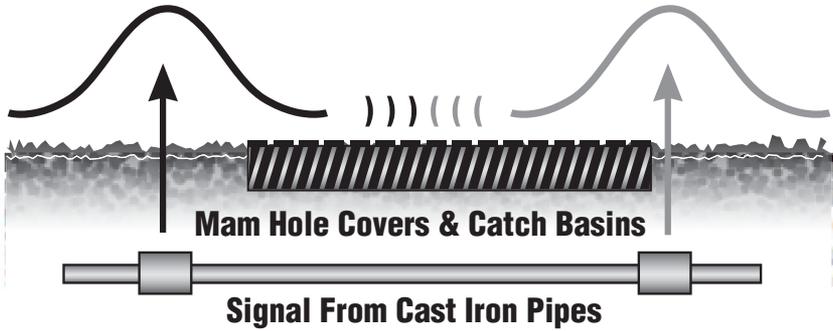
**NOTE:** The Culvert will show an **Audio Tone & Red LED**. You can pinpoint the Culvert to within a couple of inches of its center and along its entire length.

# HORIZONTAL OBJECTS

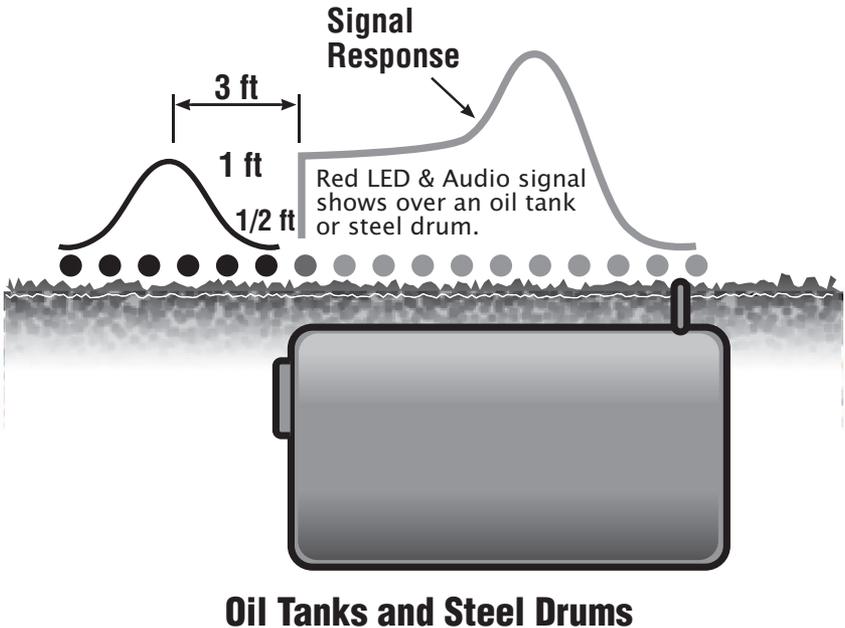
show 2 strong signal peaks at the ends

Mode tone & Green LED

Audio tone & Red LED



The further distance between where the Red signal ends and where the Green signal starts the deeper the tank is buried. Example: If the Green signal starts 3ft from where the Red signal over the tank stopped, then your tank is buried 3ft. We recommend digging in the Green zone first to avoid hitting the Tank or Steel Drum. The deeper the tank or drums are buried the Red LED and Audio will become the only signal.



# **FISHER** RESEARCH LABS

## **QUALITY**

Fisher detectors are renowned for their quality.  
Each detector is hand crafted in the USA with pride

## **PERFORMANCE**

The worldwide underground utility industry relays on Fisher.  
Our instruments are durable, dependable, and locate deeper.

## **REPUTATION**

Fisher produced the first patented metal detector in 1931. For  
over 80 years, the Fisher logo has been a mark of excellence.

## **2 - YEAR LIMITED WARRANTY**

Fisher believes in the products we produce and backs this belief  
with a 2 year limited warranty.

**Proof of purchase is required to make a claim under this warranty.**

### **NOTE TO FOREIGN COUNTRY CUSTOMERS**

This warranty may vary in other countries, check with your  
distributor for details.

Warranty does not cover shipping costs.

According to FCC part 15.21 Changes or Modifications made to this device not  
expressly approved by the party responsible for compliance could void the users  
authority to operate this equipment.

## **SERVICE**

Fisher is committed to providing you, our valued customer, with  
superior service. Each and every instrument is rigidly tested  
and carefully inspected during assembly and before shipment.

**Should you have any questions or problems, contact:**

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