



# VM-880

## Ferrous Metal Detector

- Field polarity indicator
- Ergonomic for prolonged usage
- Dot matrix LCD with back light
- Audio and visual signal strength
- Screen invert feature for pinpointing
- One touch auto sensitivity control with manual incremental control

In our ever-changing landscape, important assets are buried or paved over making finding for them both difficult and time consuming. Valve and manhole covers are often lost after ground work activities, re-surfacing or after heavy snow falls. Buried boundary markers can also be difficult to find.

Most of these items are manufactured using magnetic or ferrous materials. These can be detected using the VM-880. As it detects only ferrous materials, aluminum cans, bottle caps, etc. are rejected.

The simple audio and visual user interface has been designed to minimize training requirements while the latest technologies are employed to ensure maximum sensitivity and depth range. Particular attention has been made to ensuring the weight of the VM-880 is minimized, at just 1.54lbs (0.7kg), it is by far the lightest in its class. This has been achieved without compromise to strength. The submersible carbon fiber antenna tube is both lightweight and provides maximum protection to sensitive sensors.

Key features such as field polarity, 50/60Hz warning, continuous battery level, signal strength indicators and one touch sensitivity control include all the latest features required by an ever-demanding customer base.

### Power

- Uses 2 X AA Alkaline batteries
- Provides over 28-hours of continuous usage

### Display

- Crisp Dot matrix display with backlight
- Bar graph with signal strength



Peak signal strength response  
Field polarity indicator

### Audio

- Waterproof mylar speaker
- Peak audio tone response

### Operation

- Simple four button controls
- Large buttons usable while wearing gloves

### Construction

- Ergonomic design
- High impact ABS plastic
- Carbon-fiber submersible tube
- IP54 and NEMA 4 rating

Waterproof carbon-fiber tube  
can be submerged in water

Backed by Vivax-Metrotech's superior dealer network, customer service and service centers.

| VM-880 Specifications          |   |
|--------------------------------|---|
| <b>Construction</b>            | High impact ABS injection molded housing<br>Carbon fiber reinforced antenna tube  |
| <b>Weight &amp; Dimensions</b> | 1.54lbs (0.7kg)<br>43in(L) x 2.5in(W) x 2.6in(H) (1090mm x 88mm x 67mm)   |
| <b>Display</b>                 | High-contrast DOT Matrix LCD shows Signal level (Response), polarity, battery condition   |
| <b>Battery life</b>            | 2 x AA (LR6) Alkaline batteries<br>Typically provide 28+ hours of battery life at 70°F (21°C)   |
| <b>Antennas</b>                | Dual Magnetometers  |
| <b>Environmental</b>           | IP65 and NEMA 4   |
| <b>Operator Controls</b>       | On/off/volume<br>- Short press to turn "on"<br>- Short press to toggle between zero, medium or high volume<br>- Long press to turn off<br>Auto Time off<br>- unit will shut down if no control button is touched for 15mins<br>Sensitivity Control<br>- "+" increase sensitivity<br>- "-" reduces sensitivity<br>Auto Sensitivity<br>- centers the sensitivity response on the display, long press to invert screen |

## Typical Locate Capability\*

Small PK Nail  
to depth of 6" (15cm)



Large PK Nail  
to depth of 10" (25cm)



Marker Stake  
to depth of 8ft(2.4m)



Valve Box  
to depth of 10ft(3m)



Cast Iron Pipe Joint  
to depth of 9ft(2.7m)



Manhole Cover  
to depth of 10ft(3m)



5inch Iron Pipe  
to depth of 10ft(3m)



Large Iron Tank  
to depth of 16ft(4.8m)



\* Typical metal (ferrous or steel) objects are shown here. The Depth range depends on mass of the metal and may vary greatly from what is indicated above.

## What's in the box



VM-880 receiver



Battery holder



AA Alkaline battery



USB cable



User Manual



VM-880 carry bag

Local Vivax-Metrotech Distributor:

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