



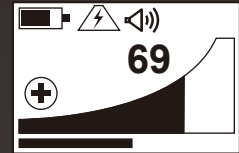
**VIVAX**  
**METROTECH**

# VM-880

## Ferrous Metal Detector

The VM-880 is the latest generation of the ever popular 880 ferrous metal locator. Enhancing existing features and adding new, it incorporates the following to enable fast location of buried or hidden assets:

- Excellent sensitivity
- Lightweight, just 1.54lbs (0.7kg)
- Improved ergonomics for comfort during prolonged usage
- Up to 26 hrs battery life from just 2 x AA (LR6) cells
- Ultra strong, submersible carbon fiber antenna tube
- Dot matrix LCD with backlight
- Audio and visual signal strength indicators
- Field polarity indicator
- Continuous battery level indication
- One touch auto sensitivity control with manual incremental control
- 50/60Hz proximity warning
- Unique screen inversion feature to aid pinpointing
- Soft carry bag supplied as standard



Cast Iron/Steel Pipe

Buried Boundary Marker

Buried Valve Cover

Buried Manhole Cover

Buried Tank

[www.vivax-metrotechaus.com](http://www.vivax-metrotechaus.com)

[sales@vxmt.com](mailto:sales@vxmt.com)



# Technical Information

## Product and Application

Product VM-880 Ferrous Metal Detector  
Typical Application Locating & pinpointing buried ferrous objects

## Construction

Construction	High Impact thermoplastic (ABS) injection molded housing Carbon fiber reinforced antenna tube	
Weight	1.54lbs (0.7kg)	
Dimensions	43in(L) x 2.5in(W) x 2.6in(H) (1090mm x 88mm x 67mm)	
Speaker	Piezo	
Antennas	Dual Magnetometers	
Batteries	2 x AA (LR6) Alkaline batteries (Battery life, typically 26hrs at 70°F (21°C))	
Controls	Pushbutton keypad (on/off/volume, sensitivity "+" and "-", auto sensitivity)	
External Connections	1 x mini USB (operating system programming)	
Compliance	Complies with CE (Directive 99/5/EC)	Complies with FCC Rules Part 15
	EN 61000-6-4:2007	CFR 47 part 2: 2004
	EN 61000-4-3: 2006	CFR 47 Part 15: 2006
	EN 61000-4-2: 1995 A1 & A2	ANSI C63.4: 2003
	EN 61000-4-8: 1994 A1	
	ETSI EN 300 330-2: 2006	
	ETSI EN 301 489-1: 2005	
	ETSI EN 301 489-3: 2002	

## Operation

Information Displayed	Signal level (Response), polarity, battery condition, 50/60Hz warning, sensitivity setting	
Controls Operation	On/off/volume	- Short press to turn "on" - Short press to toggle between zero, medium or high volume - Long press to turn off
	Auto Time off	- unit will shut down if no control button is touched for 15mins
	Sensitivity Control	- "+" increase sensitivity - "-" reduces sensitivity
	Auto Sensitivity	- centers the sensitivity response on the display, long press to invert screen

## Environmental

Temperature Range	Operating	-4°F to 120°F (-20°C to 50°C)
	Storage	- 40°F to 140°F (-40°C to 60°C)
Weather Proof	IP54 and Nema 4	
Shipping Weight	4.4lbs (2kg)	
Shipping Dimensions	6.7in x 3in x 47in (170mm x 80mm x 1195mm)	

## Warranty

Warranty 12 months

## Accessories

Soft carry bag included as standard  
User Guide included as standard



## Typical Locate Capability

(distance are typical and will vary greatly due to varying site conditions & material variations)

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)



## Vivax-Metrotech Corp. (Headquarters)

3251 Olcott Street, Santa Clara, CA 95054, USA  
T/Free: 800-446-3392  
Tel: +1-408-734-1400  
Fax: +1-408-734-1415  
Email: sales@vxmt.com

## Ventas para América Latina

3251 Olcott Street, Santa Clara, CA 95054, USA  
T/Free: 800-624-6210  
Tel: +1-408-734-1400  
Fax: +1-408-743-5597  
Email: VentasparaAmericaLatina@vxmt.com

## Vivax-Metrotech AUS

Unit 1, 176 South Creek Rd  
Cromer NSW 2099  
Tel: +61 2 9972 9244  
Fax: +61 2 9972 9433  
Email: sales@vxmtaus.com

## Vivax-Metrotech Ltd.

Unit 18-19, Woodside Road,  
South Marston Ind. Est., Swindon, SN3 4WA, UK  
Free Phone: 0800 0281811  
Tel: +44(0)1793 822679  
Email: salesUK@vxmt.com

## Vivax Canada Inc.

41 Courtland Ave Unit 6, Vaughan,  
ON L4K 3T3, Canada  
Tel: +1-289-846-3010  
Fax: +1-905-752-0214  
Email: CanadianSales@vxmt.com



Disclaimer: Product and accessory specification and availability information is subject to change without prior notice. V1.4 (Sept 2015)