



VIVAX
METROTECH

VM-540

Technical Specifications V1.4



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A. Typical Applications

Item	Parameter
Description	VM-540 Sonde locator
Uses	Locating & pinpointing sondes, push camera sondes and crawler camera sondes

B. Characteristics

Item	Parameter
Construction	<ul style="list-style-type: none"> - Carbon fiber reinforced antenna tube - High impact thermoplastic (ABS) injection molded housing
Weight	1.37lbs (0.62kg)
Dimensions	37.6in(L) x 3.2in(W) x 2.8in(H) (955mm x 80mm x 70mm)
Display	Dot Matrix, 98 x 64 dots, COG LCD with backlight
Receiver Antennas	2 x Ferrite Antennas
Battery	2 x AA Alkaline batteries
Battery Life	Typically, 20-hours of continuous use at 70°F (21°C)
Environmental	IP54 and NEMA 4
External Connectors	Mini-USB socket for programming
Temperature Range	Operating: -4°F to 120°F (-20°C to 50°C) Storage: -40°F to 140°F (-40°C to 60°C)
Compliance and Approvals	<ul style="list-style-type: none"> - Complies with European standard CE (Directive 99/5/EC) <ul style="list-style-type: none"> • EN 55011 • EN 61000-4-2 • EN 61000-4-3 • EN 61000-4-8 - Complies with FCC Rules Part 15 - CFR 47 Part 15: 2006
Standard Accessories (comes with receiver)	<ul style="list-style-type: none"> - Soft carry bag - Mini-USB Cable - AA Battery holder - Alkaline batteries - Quick guide

Compatible Accessories Options	<p>Sondes:</p> <p>D18 Sonde – 0.72”/18mm diameter, 512 or 640Hz</p> <p>D23 Sonde – 0.90”/23mm diameter, 512 or 640Hz</p> <p>D38 Sonde – 1.5”/38mm diameter, 33kHz</p> <p>D64 Sonde – 2.4”/64mm diameter, 33kHz</p>
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C. Operational

Item	Parameter
Information Displayed	Dot Matrix shows depth, signal level, and battery condition shows depth, signal level, and battery condition
Configuration	<ul style="list-style-type: none"> - On/off/speaker button <ul style="list-style-type: none"> • Short press to turn on • Short press toggles volume and volume off • Long press to turn off - Auto shut down - The unit will shut down if no control button is touched for 15 mins. - “+” increases sensitivity - “-” decreases sensitivity - Depth button <ul style="list-style-type: none"> • Short press for depth measurement • Long press for frequency selection
Operating Frequencies	- 50/60Hz, 512Hz, 640Hz, 33kHz
Data Logging	N/A
Data Transfer	N/A
Operating Frequencies	<ul style="list-style-type: none"> - 512Hz, 640Hz, 33 kHz sonde locate - 50Hz or 60Hz passive power mode
Operating Modes	<ul style="list-style-type: none"> - Sonde locate mode - Passive power mode
Gain / Scaling Control	Fully automatic using - / + keys, one-touch returns to center scale (60% of FSD)
Compatible Transmitters	N/A, sondes only

D. Shipping and Packaging

Item	Parameter
Shipping Weight	4.4lbs (2kg)
Shipping Dimension	47in(L) x 3in(W) x 6.7in(H) (1195mm x 80mm x 170mm)

E. Warranty

Item	Parameter
Warranty	Two years

F. Firmware Updates

Item	Parameter
Software	Firmware can be upgraded using a PC with USB port

All products are designed and manufactured per ISO 9001:2015.

Disclaimer: Product and accessory specification and availability information are subject to change without prior notice.