



VIVAX
METROTECH

VM-540

Technical Specifications V1.6



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A. Description and Typical Applications

Item	Parameter
Model Name	VM-540
Model Number	VX215-05
Description	VM-540 Sonde Locator
Uses	Locating & pinpointing sondes, push camera sondes and crawler camera sondes.

B. Characteristics

Item	Parameter
Construction	- 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
Manufacturing	Designed and manufactured per ISO 9001:2015
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	- Complies with European standard CE (Directive 99/5/EC) • 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
What's In the Box	- VM-540 Receiver - Soft carry bag - Mini-USB Cable - AA Battery holder - Alkaline batteries (depending on the region) - Quick guide

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

Item	Parameter
Information Displayed	The Dot Matrix display shows depth, signal level, and battery condition.
Configuration	- On/off/speaker button • 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 • Short press for depth measurement • Long press for frequency selection
Operating Modes and Frequencies	- 512Hz, 640Hz, 33 kHz sonde frequencies - 50Hz or 60Hz passive power mode
Data Logging	N/A
Data Transfer	N/A
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	One year

F. Firmware Updates

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

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