



VIVAX
METROTECH

VM-540

Technical Specifications V1.5



Worldwide Locations

World Headquarters, United States of America

Vivax-Metrotech Corporation

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free : 1-800-446-3392

Tel : +1-408-734-1400

Fax : +1-408-734-1415

Website : www.vivax-metrotech.com

Email : SalesUSA@vxmt.com

Central/South America and the Caribbean

Ventas para América Latina

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free : 1-800-446-3392

Tel : +1-408-734-1400

Fax : +1-408-743-5597

Website : www.vivax-metrotech.com

Email : LatinSales@vxmt.com

Canada

Vivax Canada, Inc.

41 Courtland Ave Unit 8, Vaughan, ON L4K 3T3, Canada

Tel : +1-289-846-3010

Fax : +1-905-752-0214

Website : www.vivax-metrotech.ca

Email : SalesCA@vxmt.com

United Kingdom

Vivax-Metrotech Ltd.

Unit 1, B/C Polden Business Centre, Bristol Road, Bridgwater, Somerset, TA6 4AW, UK

Tel : +44(0)1793 822679

Website : www.vivax-metrotech.co.uk

Email : SalesUK@vxmt.com

France

Vivax-Metrotech SAS

Technoparc - 1 allée du Moulin Berger, 69130 Ecully, France

Tel : +33(0)4 72 53 03 03

Fax : +33(0)4 72 53 03 13

Website : www.vivax-metrotech.fr

Email : SalesFR@vxmt.com

Germany

Metrotech Vertriebs GmbH

Am steinernen Kreuz 10a
D-96110 Schesslitz

Tel : +49 954 277 227 43

Website : www.vivax-metrotech.de

Email : SalesEU@vxmt.com

China

Vivax-Metrotech (Shanghai) Ltd.

3/F No.90, Lane 1122 Qinzhou Rd.(N),
Shanghai, China 200233

Tel : +86-21-5109-9980

Fax : +86-21-2281-9562

Website : www.vivax-metrotech.com

Email : SalesCN@vxmt.com.cn

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 and NEMA 4
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 - 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
---------------------------------------	--

C. Operational

Item	Parameter
Information Displayed	Dot Matrix shows depth, signal level, and battery condition 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 Frequencies	- 50/60Hz, 512Hz, 640Hz, 33kHz
Data Logging	N/A
Data Transfer	N/A
Operating Frequencies	- 512Hz, 640Hz, 33 kHz sonde locate - 50Hz or 60Hz passive power mode
Operating Modes	- 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

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