



VIVAX
METROTECH

VM-480B

Technical Specifications V1.3



VIVAX
METROTECH

Worldwide Locations

World Headquarters, United States of America

Vivax-Metrotech Corporation

3251 Olcott Street, Santa Clara, CA 95054, USA

T/Free : 1-800-638-7682

Tel : +1-408-962-9990

Fax : +1-408-734-1799

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.com

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.com

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

A. Typical Applications

Item	Parameter
Description	"Split-Box" Buried Utility Locator
Designed Use	Locating the position of buried pipes and cables

B. VM-480B Receiver Characteristics

Item	Parameter
Construction	High impact ABS plastic housing
Weight	4.5lbs (1.9kg)
Dimensions	11.63in(L) x 3.13in(W) x 9in(H) (295mm x 80mm 230mm)
Power	6 x Alkaline C Cells
Battery Life	250 hours average
Environmental	IP54
External Connectors	<ul style="list-style-type: none"> - ¼-inch Headphone socket - ¼-inch AUX socket
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage: -40°F to 140°F (-40°C to 60°C)
Compliance/Approvals	<ul style="list-style-type: none"> - CFR 47 Part 15 - EN 301 489-1 - EN 3.1 489-3
Compatible Accessories Options	<ul style="list-style-type: none"> - Search Handle - Headphones (with ¼-Inch Jack) - Sondes - D38 and D64 Sondes - 83.1kHz frequency
Receiving Frequencies	<ul style="list-style-type: none"> - Active – 83.1kHz - Passive – 50 / 60Hz
Battery Check	Automatic at power on

C. VM-480B Transmitter Characteristics

Item	Parameter
Construction	High impact ABS plastic housing
Weight	3.5 lbs (1.6kg)
Dimensions	11.63in(L) x 3.13in(W) x 9in(H) (295mm x 80mm 230mm)
Batteries	6 x alkaline C cells
Battery Life	400 hours average
Environmental	IP54
External Connectors	¼-inch connection lead and clamp socket
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage: -40°F to 140°F (-40°C to 60°C)
Compliance/Approvals	<ul style="list-style-type: none"> - CFR 47 Part 15 - EN 55011 - EN 61000-4-2: A1 & A2 - EN 61000-4-3 - EN 61000-4-8: A1
Standard Accessories (Supplied with Receiver)	<ul style="list-style-type: none"> - Direct connection leads - Ground stake - User manual
Compatible Accessories Options	<ul style="list-style-type: none"> - Ground extension spools - VM-480B 4"/100mm Induction clamp - Search Handle
Nominal Output Power	125mW
Transmit Frequency	83.1kHz

D. VM-480B Transmitter Operational

Item	Parameter
Transmitting Modes	<ul style="list-style-type: none"> - Induction mode – applies signal inductively using the internal antenna - Direct connection mode - applies signal directly to the cable by clipping one output lead to the cable, the other to an independent ground - Clamp mode – applies signal using an inductive clamp (aka toroid or coupler) that is placed around the target pipe or cable <p>* Modes are automatically selected when accessories are plugged in. The default mode (no accessories) is Induction.</p>

E. Shipping and Packaging

Item	Parameter
Shipping Weight	10lbs (4.5kg)
Shipping Dimension	17.5in(L) x 11.2in(W) x 30.1in(H) (765mm x 285mm x 445mm)

F. Warranty

Item	Parameter
Warranty	2 Years Extended warranty available

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

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