



VIVAX
METROTECH

indepth
UTILITY SOLUTIONS
281-969-8530

VM-480B

Technical Specifications V1.3



VIVAX
METROTECH

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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	- 1/4-inch Headphone socket - 1/4-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	- CFR 47 Part 15 - EN 301 489-1 - EN 3.1 489-3
Compatible Accessories Options	- Search Handle - Headphones (with 1/4-Inch Jack) - Sondes - D38 and D64 Sondes - 83.1kHz frequency
Receiving Frequencies	- 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	- 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)	- Direct connection leads - Ground stake - User manual
Compatible Accessories Options	- 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	- 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 * Modes are automatically selected when accessories are plugged in. The default mode (no accessories) is Induction.

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.