



**VIVAX**  
**METROTECH**

# VM-510FFL+ A-frame

Technical Specifications V1.3



## Worldwide Locations

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## A. Typical Applications

Item	Parameter
Description	Combination cable locator and ground fault locator
Applications	Identifying the position of a cable and locating insulation faults to ground and pipeline coating defects which are in contact with the ground

## B. Characteristics

Item	Parameter
Construction	Carbon fiber/ reinforced glass fiber/ high impact thermoplastic (ABS) construction
Weight	4.23lbs (1.92kg)
Dimension	28.7in(H) x 25.2(W) x 2.9in(T) (728mm x 640mm x 74mm)
Display	1.28" 128 x 128 black and white dot matrix LCD
Power Supply	Six x AA alkaline batteries. Also compatible with Six NiMH size AA batteries
Battery life	Alkaline: typically, 60 hour' continuous use at 70°F (21°C) NiMH: typically, 2300mAh will provide 45 hours continuous use at 70°F (21°C)
Environmental	IP 54 and NEMA 4
External Connectors	Mini-USB for maintenance and software upgrades.
Temperature Range	Operating : -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Approvals	CE/FCC
Standard accessories	Supplied with: user guide, soft carry bag, USB cable, and rubber spike protectors.
Compatible Transmitters	Loc and Loc3 series transmitters with FF modes, VM-550FF, VM560FF

## C. Operational

Item	Parameter
Information Displayed	Mode, Frequency, Peak/Null/Left/Right, depth, and current. Fault signal strength and direction. Battery condition and Speaker volume setting
Operating Frequency	8kFF (8Hz/8.192kHz with 2.67Hz phase modulation) or FF (3Hz/6Hz/8.192kHz)

<b>Cable locate sensitivity</b>	10uA at one-meter depth
<b>Fault locate sensitivity</b>	Typically, it can detect 2MΩ at one-meter depth
<b>Accuracy</b>	Depth Accuracy - From 4" to 10' (100mm to 3M) accuracy is +/- 5% of the depth
<b>Audible</b>	Speaker indicates Left/Right by pulsed/continuous tone

## D. Shipping and Packaging

Item	Parameter
<b>Shipping Weight</b>	9.4lbs (4.25kg)
<b>Shipping Dimension</b>	31.5in(L) x 27.8in(W) x 4.5in(H) (800mm x 705mm x 115mm)

## E. Warranty

Item	Parameter
<b>Warranty</b>	<ul style="list-style-type: none"> <li>- Two Years</li> <li>- Optional extended warranty available</li> </ul>

## F. Firmware Updates

Item	Parameter
<b>Firmware</b>	Firmware can be upgraded using a PC with a USB port. Programs & locator software are available via MyLocator3 app

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.