



VIVAX

METROTECH

VM-510FFL+ A-frame

Technical Specifications V1.5



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A. Description and Typical Applications

| Item | Parameter |
|--------------|---|
| Model Name | VM-510FFL+ |
| Model Number | VX218-04 |
| 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 that 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 hours continuous use at 70°F (21°C) NiMH: typically, 2300mAh will provide 45 hours continuous use at 70°F (21°C) |
| Environmental | IP54 |
| Manufacturing | Designed and manufactured per ISO 9001:2015 |
| 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 |
| What's In the Box | VM-510FFL+ Receiver USB Cable Soft carry bag Rubber spike covers |
| 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) |
| Cable Locate Sensitivity | 10uA at one-meter depth |
| Fault Locate Sensitivity | Typically, it can detect 2MΩ at one-meter depth. |
| Accuracy | Depth Accuracy - From 4" to 10' (100mm to 3M), accuracy is +/- 5% of the depth. |
| Audible | The speaker indicates Left/Right by pulsed/continuous tone. |

D. Shipping and Packaging

| Item | Parameter |
|--------------------|--|
| Shipping Weight | 9.4lbs (4.25kg) |
| Shipping Dimension | 31.5in(L) x 27.8in(W) x 4.5in(H) (800mm x 705mm x 115mm) |

E. Warranty

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

F. Firmware Updates

| Item | Parameter |
|----------|--|
| Firmware | Firmware can be upgraded using a PC with a USB port. Programs & locator software are available via the MyLocator3 app. |

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