

A. VM-550 Locator Typical Applications

Item	Parameter
Description	VM-550 Three Frequency Locator Kit
Uses	Pipe and cable locator

B. Receiver

Item	Parameter
Construction	<ul style="list-style-type: none"> - Carbon fiber reinforced antenna tube - High impact thermoplastic (ABS) injection molded housing
Weight	1.41lbs (0.64kg)
Dimensions	34.6in(L) x 3.1in(W) x 2.8in(H) (880mm x 80mm x 70mm)
Digital Display	Dot matrix
Audio	Piezo Speaker
Batteries	2 x AA (LR06) Alkaline batteries - typically 20 hours continuous use at 70°F (21°C)
Operating Frequencies	<ul style="list-style-type: none"> - Passive: 50Hz or 60Hz - Active: 512Hz or 640Hz, 8.192kHz (8192Hz), 83.1kHz (83100Hz)
Sensitivity	<ul style="list-style-type: none"> - Frequency <ul style="list-style-type: none"> • 50/60Hz 5mA for 20dB SNR and 10Hz bandwidth • 512/640Hz 1.5mA for 20dB SNR and 10Hz bandwidth • 8.192kHz 27uA for 20dB SNR and 10Hz bandwidth • 83.1kHz 6uA for 20dB SNR and 10Hz bandwidth
Measurements	<ul style="list-style-type: none"> - Signal strength - Depth range 5m (16ft), accuracy +/- 5% of depth (with stable signal)
Controls	Keypad with four pushbuttons
Connectors	1 x mini USB socket for programming
Approvals	<ul style="list-style-type: none"> - Complies with European standard CE (Directive 99/5/EC) <ul style="list-style-type: none"> • EN 55011 • EN 61000-4-2 • EN 61000-4-3 • EN 61000-4-8 - Complies with FCC Rules Part 15 <ul style="list-style-type: none"> • CFR 47 Part 15: 2006
Standard Accessories (Supplied with Receiver)	<ul style="list-style-type: none"> - Soft carry bag - Quick guide

C. VM-550FF Transmitter

Item	Parameter						
Construction	High impact ABS						
Weight	2.47 (1.12kg)						
Dimension	18.1in x 3.5in x 2.6in (46cm x 9.0cm x 6.5cm)						
Power Supply	4 x alkaline "D" cells						
Battery Life	At 70°F (21°C) - continuous use <table> <tr> <td>Power</td> <td>Alkaline</td> </tr> <tr> <td>Full Power</td> <td>28 hours</td> </tr> <tr> <td>Low Power</td> <td>150 hours</td> </tr> </table>	Power	Alkaline	Full Power	28 hours	Low Power	150 hours
Power	Alkaline						
Full Power	28 hours						
Low Power	150 hours						
Power Output	<ul style="list-style-type: none"> - In accordance with FCC part 15: <ul style="list-style-type: none"> • 1 watt – in High output level • 0.1 watt – in Low output level 						
Frequencies	<ul style="list-style-type: none"> - Direct connection mode / Clamp mode: <ul style="list-style-type: none"> • 512Hz or 640Hz, 8.192kHz (8192Hz), and 83.1kHz(83100Hz) - Induction Mode: <ul style="list-style-type: none"> • 83.1kHz (83100Hz) - Fault Find Mode: <ul style="list-style-type: none"> • 8kFF, Fault locating mode for use with vLoc accessory A-frame or VM-510 ground 						

	fault locator (8.192kHz amplitude modulated with 8Hz and phase modulated with 2.66Hz) * Modes are selected automatically when accessories are plugged in.
Output Voltage	Maximum output voltage = 60V RMS
Output Current	Maximum output current = 150mA RMS constant current
Audio indication	<ul style="list-style-type: none"> - Connection quality – variable beep rate sound showing the better signal applied - Beep constantly – for high voltage detected
Visual Indication	LED
Controls	Use pushbuttons to select: <ul style="list-style-type: none"> - Power button: On / Off (Press and hold); Low / High output (Short press) - Frequency select
Standard Accessories (Supplied with Transmitter)	<ul style="list-style-type: none"> - Direct connection lead (XLR plug with two cables each 10ft (3.5m) long with crocodile clips) - “T” shape ground stake
Optional Accessories	<ul style="list-style-type: none"> - 2in (50mm) transmitter clamp - 4in (100mm) transmitter clamp - 5in (150mm) transmitter clamp - LPC Separation Filter (to connect and use transmitter on lines carrying up to 240V AC)
Approvals	<ul style="list-style-type: none"> - Complies with European standard CE (Directive 99/5/EC) <ul style="list-style-type: none"> • EN 55011, EN 61000-4-3, EN 61000-4-2, EN 61000-4-4, EN 61000-4-5, EN 61000-4-8 - Complies with FCC Rules Part 15 - CFR 47 Part 15
Compatible with	vLoc range of receivers with matching frequencies, VM-510FFL Fault Locator

D. Environmental and Shipping

Item	Parameter
Temperature Range	Operating: -4°F to 122°F (-20°C to 50°C) Storage : -40°F to 140°F (-40°C to 60°C)
Weather Proof	IP54 and NEMA 4
Shipping Weight (with transmitter)	9.3lbs (4.2kg) (estimation)
Shipping Dimension (with transmitter)	39in(L) x 7.7in(W) x 4.7in(H) (990mm x 195mm x 120mm) (estimation)

E. Warranty

Item	Parameter
Warranty	12 months (Limited warranty)

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

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