



VIVAX
METROTECH

vLoc3-Cam

Technical Specifications V1.5



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A. Typical Applications

Item	Parameter
Description	Multi-purpose sonde locator
Designed Use	Locating & pinpointing the position of sondes, push camera sondes, crawler camera sondes, pushrod, and some buried utilities

B. Characteristics

Item	Parameter
Construction	High impact thermoplastic (ABS) injection molded housing
Weight	4.6lbs (2.1kg)
Dimensions	12.6in(L) x 4.9in(W) x 26.6in(H) (321mm x 124mm x 676mm)
Display Type	Transmissive 480 x 272 Pixel, 16-bit Color, High Visibility 4.3"/10.9cm LCD
Receiver Antennas	Two sets of 3D antennas
Battery	<ul style="list-style-type: none"> - Six x AA Alkaline batteries - Optional rechargeable custom Lithium-ion batteries with 100-240V AC mains charger
Battery Life	<ul style="list-style-type: none"> - Alkaline – typically 12 hours intermittent use at 70°F (21°C) - Lithium-ion – typically 27 hours intermittent use at 70°F (21°C) (with the full backlight turned on). Re-charging cycles over. 500 times the life cycle. Battery life varies with temperature.
Environmental	<ul style="list-style-type: none"> - IP65 and NEMA 4
External Connectors	<ul style="list-style-type: none"> - Mini USB socket for firmware updates - Accessory Socket – to charge the optional rechargeable batteries - Bluetooth Port – to install optional Bluetooth module (factory fitted)
Temperature Range	<ul style="list-style-type: none"> - Operating: -4°F to 122°F (-20°C to 50°C) - Storage: -40°F to 140°F (-40°C to 60°C)
Compliance and 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: A1 & A2 • EN 61000-4-3 • EN 61000-4-8: A1 • ETSI EN 300 330-2

	<ul style="list-style-type: none"> • ETSI EN 301 489-1 • ETSI EN 301 489-3 - Complies with FCC Rules Part 15 <ul style="list-style-type: none"> • CFR 47 part 2 • CFR 47 Part 15
Standard Accessories (comes with receiver)	<ul style="list-style-type: none"> - Mini USB cable for firmware updates - Six x AA Alkaline batteries - Six x AA Alkaline battery holder - User manual
Compatible Accessory Options	<ul style="list-style-type: none"> - Bluetooth Module (Factory fitted) - External GPS Module - Vehicle Charging DC Lead - Range of Sondes (waterproof, self-contained transmitters for use in pipes & ducts)

C. Operational

Item	Parameter
Information Displayed	<ul style="list-style-type: none"> - Standard "Bar graph" peak locate - Dedicated Sonde Locate - directing arrow to move to the Sonde position along the polar axis - Signal strength - moving bar graph & numeric value - Line location and depth - Sonde location and depth - Gain level (in dB) - Frequency selected - Battery condition - Speaker volume - Optional Bluetooth status - Product configuration menu & submenus - Customer definable startup screen
Configuration	<p>Intuitive setup menu enables the user to configure:</p> <ul style="list-style-type: none"> - Set up frequency selection to toggle by "f" pushbutton - Locating and Screen View – navigation using a long or short press of the "m" pushbutton - Units of measure (feet/meters)

	<ul style="list-style-type: none"> - Sound (Pitch) – normal/modulated - Language - Continuous depth option - Loudspeaker level - Backlight - Bluetooth pairing if fitted - Auto shut down – configurable to power down at five minutes, ten minutes, or never 	
Operating Frequencies	<ul style="list-style-type: none"> - Sonde – 512Hz, 640Hz, 8.19kHz, 9.82kHz, 33kHz, and 83kHz - Pushrod and Line trace: USA = 83kHz EU, UK, AU = 33kHz or 83kHz - Power 50Hz and 60Hz - Radio - 10kHz - 22.7kHz bandwidth 	
Operating Modes	<ul style="list-style-type: none"> - Pushrod and Line Trace – Classic Locate (2-section Bar graph) - Sonde Locate 	
Gain / Scaling Control	Manual gain using "+" or "-" with one touch to return to center (60% of FSD)	
Accuracy	Locate pinpointing accuracy:	<ul style="list-style-type: none"> - Over 9ft (3m) – 5% of the depth - Up to 9ft (3m) – 3% of the depth
	Depth measurement accuracy:	3% of the depth
	Current measurement accuracy:	<ul style="list-style-type: none"> - 5% of actual current – over 9ft (3m) - 3% of actual current – up to 9ft (3m)
	Depth range:	Dependent on the strength of signal radiating to the locator
	Performance rated using a single undistorted signal source	
Compatible Transmitters	<p>1-Watt = Loc-1Tx, VM-550FF</p> <p>5-Watt = Loc-5STx, Loc3-5Tx</p> <p>10-Watt = Loc-10Tx, Loc3-10Tx</p>	

D. Shipping and Packaging

Item	Parameter
Shipping Weight	10.5lbs (4.75kg)
Shipping Dimension	16.5in(L) x 11in(W) x 27.6in(H) (420mm x 280mm x 700mm)

E. Warranty

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

F. Firmware Updates

Item	Parameter
Firmware	The firmware can be updated using a PC with a USB port. Programs & locator software are available via the free MyLocator3 app available on our website.

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.