

A. Typical Applications

Item	Parameter
Description	Multi-purpose precision locator receiver
Uses	Locating & pinpointing the position of buried pipes and cables



B. Receiver Assembly

Item	Parameter
Construction	<ul style="list-style-type: none"> - Carbon fiber reinforced antenna tube - High impact thermoplastic (ABS) injection molded housing
Weight	5.1lbs (2.32kg)
Dimensions	11.7in(L) x 4.9in(W) x 26.6in(H) (298mm x 125mm x 675mm)
Display Type	Sharp TFT LCD ¼ VGA color display, 3.52in (89mm)
Receiver Antennas	2 x horizontal & 1 x compass antenna & 1 x null antenna – Air cored
Batteries	<ul style="list-style-type: none"> - Rechargeable (6 x AA Ni-MH) batteries (internal) with 100-240V AC mains charger - Replaceable (6 x standard alkaline AA batteries) batteries can be used when required
Battery Life	<ul style="list-style-type: none"> - Alkaline – typically 6 hours intermittent use at 70°F (21°C) - Ni-MH – typically 6 hours intermittent use at 70°F (21°C) - Re-charging cycles approx. 500 times life cycle
Bluetooth	<ul style="list-style-type: none"> - Optional internal Bluetooth link for interfacing specified Bluetooth enabled GPS/Data Loggers
External Connectors	<ul style="list-style-type: none"> - 1 x round USB socket for accessories - 1 x mini USB socket for data transfer and programming - 1 x socket for battery charger
Approvals	<ul style="list-style-type: none"> - Complies with European standard CE (Directive 99/5/EC) <ul style="list-style-type: none"> • EN 61000-6-4: 2007 • EN 61000-4-3: 2006 • EN 61000-4-2: 1995 A1 & A2 • EN 61000-4-8: 1994 A1 • ETSI EN 300 330-2: 2006 • ETSI EN 301 489-1: 2005 • ETSI EN 301 489-3: 2002 - Complies with FCC Rules Part 15 <ul style="list-style-type: none"> • CFR 47 part 2: 2004 • CFR 47 Part 15: 2006 • ANSI C63.4: 2003
Standard Accessories	<ul style="list-style-type: none"> - USB data cable - 100-240V AC mains charger - Soft roll around carry bag (with wheels) if purchase with transmitter - User handbook if purchase with transmitter
Optional	<ul style="list-style-type: none"> - A-frame

vLocPro Receiver Data Sheet V2.2

Accessories	<ul style="list-style-type: none"> - Remote Antenna USB - GPS (external) - Bluetooth (internal) - Auxiliary rechargeable battery pack (fits in place of alkaline batteries) charged externally - Vehicle charging lead - Sondes (waterproof self-contained transmitters for use in pipes & ducts) <ul style="list-style-type: none"> • D18-33-SR44 - 0.75in(Dia.) x 3.1in(L) (18mm x 80mm), 33 kHz, range 12ft (4m), 2 x button cell batteries • D38-33-AA – 1.5in(Dia.) x 4.1in(L) (38mm x 105mm), 33kHz, range 15ft (5m), 1 x AA battery • D64-33-6LR61 – 2.5in(Dia.) x 7.3in(L) (64mm x 186mm), 33 kHz, range 24ft (8m), 1 x 6LR61 battery • D23F-512-AA / D23F-640-AA – 1in(Dia.) x 18in(L) (23mm x 456mm), 512Hz or 640Hz, range 20ft (7m), flexible Sonde in 3 sections for use in cast iron pipes as well as non metallic pipes, 1 x AA battery
--------------------	---

C. Operational

Item	Parameter
Information Displayed	<ul style="list-style-type: none"> - Signal strength - moving bar graph & numeric value - Mode indication (“Peak”, “Null”, “Broad Peak”, “Sonde” and “Peak with proportional left/right arrows” location) - Proportional left/right indication - Compass: full 360° line direction indicator - Automatic recognition of accessories - Peak signal response indication - Null signal response indication - Broad Peak signal response indication - Measurement of depth and current on target line - Depth measurement in all active modes including 50/60Hz - Sonde location & depth measurement - Gain level (in dB) - Internal battery condition - Speaker volume - Operating frequency
Configuration	<p>Intuitive setup menu enables user to configure:</p> <ol style="list-style-type: none"> 1. Selection “favourites” list of frequencies to toggle 2. Sonde / line location 3. Units of measure (feet/meter) 4. Power Mode – 50Hz or 60Hz environments

vLocPro Receiver Data Sheet V2.2

	5. Sound (Pitch) – normal / modulated 6. Favorite mode selection 7. Language 8. Continuous depth option 9. Continuous signal current option 10. Speaker level 11. Backlight level						
Operating Frequencies	Any frequency between 50Hz and 200 kHz (Can be defined at the Customers request). Units shipped are configured for transmitter frequencies requested unless otherwise specified (40+ other frequencies included).						
Pre-defined Frequencies	Power 50 (50+150+250Hz)	460Hz	8.44 kHz (8,440Hz)				
	Power 60 (60+180+300Hz)	480Hz	9.5 kHz (9,500Hz)				
	Radio Mode (22.1 kHz)	484Hz	9.82 kHz (9,820Hz)				
	RF EUR (19.8 kHz)	491Hz	16.9 kHz (16,900Hz)				
	50Hz	512Hz	22.5 kHz (22,500Hz)				
	60Hz	560Hz	29.4 kHz (29,430Hz)				
	64Hz	577Hz	CATV (31,468Hz)				
	75Hz	604Hz	32.8 kHz (32,768Hz)				
	98Hz	624Hz	38 kHz (38,000Hz)				
	CP 100	640Hz	65.5 kHz (65,536Hz)				
	CP 120	680Hz	78.125 kHz (78,125Hz)				
	128Hz	760Hz	78.132 kHz (78,132Hz)				
	163Hz	800Hz	80.4 kHz (80,430Hz)				
	208Hz	815Hz	82.3 kHz (82,312Hz)				
	220Hz	920Hz	82.5 kHz (82,488Hz)				
	256Hz	968Hz	83.1 kHz (83,077.5Hz)				
	273Hz	982Hz	89 kHz (89,000Hz)				
	280Hz	1.02 kHz (1,024Hz)	118 kHz (117,850Hz)				
	320Hz	1.17 kHz (1,170Hz)	121 kHz (121,000Hz)				
	340Hz	1.45 kHz (1,450Hz)	128 kHz (128,000Hz)				
	380Hz	8.01 kHz (8,010Hz)	131 kHz (131,072Hz)				
	400Hz	8.19 kHz (8,192Hz)	200 kHz (200,000Hz)				
	440Hz						
	<p>Signal Direction – Some specific models include a feature called SD (Signal Direction) in addition to the above the transmitter will have two combinations of SD frequency.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>SD-USA</td> <td>256Hz/512Hz</td> </tr> <tr> <td>SD-EUR</td> <td>320Hz/640Hz</td> </tr> </table> <p>Vivax-Metrotech Corporation retains the right to make additions or deletions to this list at any time.</p>				SD-USA	256Hz/512Hz	SD-EUR
SD-USA	256Hz/512Hz						
SD-EUR	320Hz/640Hz						

vLocPro Receiver Data Sheet V2.2

Operating Modes	<ul style="list-style-type: none"> - Peak (using two horizontal antennas) - Null (using one vertical antenna) with proportional left/right indications - Sonde - Broad Peak (using one horizontal antenna) Peak with proportional left/right arrows
Gain Control	Press "+" or "-" pushbutton once to return to mid scale
Performance using single undistorted signal source	Locate pinpointing accuracy: <ul style="list-style-type: none"> - up to 9ft (3m) – 5% of depth - over 9ft (3m) – 10% of depth
	Depth measurement accuracy: <ul style="list-style-type: none"> - 5% of depth
	Current measurement accuracy: <ul style="list-style-type: none"> - 5% of actual current – up to 9ft (3m) - 10% of actual current – over 9ft (3m)
	Depth range : <ul style="list-style-type: none"> - Dependent on strength of signal radiating to locator
Compatible with Transmitter	Loc-5Tx, Loc-10Tx

D. Sensitivity

Mode	Sensitivity at 3.2ft (1m)
50Hz/ Power mode	7.5 mA
Radio mode	20 µA
512Hz / 640Hz	400 µA
8 kHz	40 µA
32 kHz and above	25 µA

E. Environmental

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	38.6lbs (17.5kg) (with transmitter)
Shipping Dimension	17.5in(L) x 11.2in(W) x 30.1in(H) (765mm x 285mm x 445mm)

F. Warranty

Item	Parameter
Warranty	12 months

G. Upgrade

Item	Parameter
Software	Software can be upgraded using a PC with USB port. Programs & locator software will be available via email or CD. Additional frequencies will be available free of charge.

H. Holux Bluetooth GPS (Optional Accessory)

Item	Parameter
Overview	The M-1200 high performance Bluetooth™ GPS Receiver which featured with: <ul style="list-style-type: none"> - Dual interface (Bluetooth + GPS-mouse) - Compatible with Bluetooth™ Serial Port Profile (SPP) completely - Built-in rechargeable Lithium-ion battery without external power supply
Weight	- 0.07lbs (30g)
Dimension	- 2.63in(L) x 0.9in(W) x 0.63in(H) (67mm x 23mm x 16mm)
Specification	<ul style="list-style-type: none"> - Tracks up to 32 satellites - Receiver: L1, 1575.42 MHz - C/A code: 1.023 MHz - Update rate: 1Hz - Antenna type: built-in patch antenna - Minimum signal tracked: -159dBm - On/Off switch: slide switcher - Lithium-ion battery lasts for 15 hours of use.
LED Indication	<ul style="list-style-type: none"> - Bluetooth - Navigation update - Battery/charger status indication
Temperature Range	<ul style="list-style-type: none"> - Store Temperature : -4°F to 140°F (-20°C to 60°C) <li style="padding-left: 100px;">: -22°F to 176°F (-30°C to 80°C) (Without Lithium-ion battery) - Operation Temperature : 14°F to 140°F (-10°C to 60°C)

Disclaimer: All product availability or product accessory information is subject to change without notice.

United State of America	Europe
<p>Vivax-Metrotech Corporation 3251 Olcott Street, Santa Clara, CA 95054, USA Website : www.vivax-metrotech.com</p> <p>Sales & Sales Support: T/Free : +1-800-446-3392 Tel : +1-408-734-1400 Fax : +1-408-734-1415 Email : sales@vxmt.com</p> <p>Application Support: T/Free : +1-800-624-6210 Tel : +1-408-454-7159 Fax : +1-408-743-5597 Email : applications@vxmt.com</p> <p>Service & Repairs: T/Free : +1-800-638-7682 Tel : +1-408-962-9990 Fax : +1-408-734-1799 Email : service@vxmt.com</p> <p>All Other Department: T/Free : +1-877-330-1647 Tel : +1-408-734-3880 Fax : +1-408-962-9993</p>	<p>SebaKMT Seba Dynatronic Mess-und Ortungstechnik GmbH Dr.-Herbert-lann-Str. 6, 96148 Baunach, Germany</p> <p>Tel : +49-9544-680 Fax : +49-9544-2273 Website : www.sebakmt.com Email : service@sebakmt.com</p>
<p>Canada</p> <p>Vivax Canada Inc. 400 Esna Park Drive, Unit 17, Markham, Ontario, L3R 3K2, Canada</p> <p>Tel : +1-289-846-3010 Website : www.vivax-metrotech.com Email : CanadianSales@vxmt.com</p>	<p>Australasia</p> <p>SebaKMT AUS Unit 1, 176 South Creek Road, Cromer NSW 2009, Australia</p> <p>Tel : +61-2-9972-9244 Fax : +61-2-9972-9433 Website : www.sebakmtaus.com Email : sales@sebakmtaus.com service@sebakmtaus.com</p> <p>China</p> <p>Leidi Utility Supply (Shanghai) Ltd. Rm405 3rd Building No. 641, Tianshan Rd, Shanghai, China 200336</p> <p>Tel : +86-21-5187-3880 Fax : +86-21-5168-5880 Website : www.leidi.com Email : info@leidi.cn</p>