



vLocPro2 Receiver Data Sheet V1.0



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A. Typical Application:

Description	Multipurpose precision locator receiver
Uses	Locating and pinpointing the position of buried pipes and cables

B. Receiver Assembly:

Construction	-Carbon fiber reinforced antenna tube -High impact thermoplastic (ABS) injection moulded housing
Weight	2.1 Kg.
Dimensions in mm.	262 L x 122 W x 639 H
Display Type	Sharp TFT LCD ¼ VGA colour display, Size 3.52" (89mm)
Receiver Antennas	2 x Peak Antennas, 1 x Null Antenna and 1 x Compass Antenna
Batteries Options	-Rechargeable custom Li-Ion batteries with 100-240V AC, 50 Hz mains charger -Replaceable (6 x AA Alkaline) Batteries can be used when required
Battery Life	-Rechargeable typically 40 hrs. intermittent use at 21 Deg. C. with full backlight ON -Alkaline typically 12 hrs. at intermittent use at 21 Deg. C.
Bluetooth	Plug and play custom Bluetooth interface
External Connectors	-1 x Socket for accessories port (analogue and digital) -1 x Mini USB socket for data transfer / programming -1 x Socket for battery charging -1 x Standard USB (Memory stick) socket for data transfer
Compliance / Approvals	-Complies with European Standard CE (Directive 99/5/EC) & FCC Rules Part 15
Standard Accessories	-USB data cable -100 to 240V AC, 50Hz Mains Charger for Li-Ion battery pack -User Manual -Soft carry bag

C. Operational:

Information displayed	-Signal Strength – moving bar graph and numeric value -Operating Mode Indication-Null, Peak, Broad Peak, Sonde and Peak with Arrows -Proportional Left / Right Indications -Compass – full 360 Deg. Line direction indication -Plug and play automatic recognition of accessories -Accessory specific custom screen -Line Location – depth and current measurement -Sonde Location and depth measurement -Gain Level in dB -Frequency selected -Battery status -Speaker volume -Operating Frequency -Bluetooth and GPS status -Configuration menu and sub-menus -Start-Up screen – product and USB accessories software version -Customised Start-Up screen
Configuration	Intuitive set-up menu enables the user to configure: -setup frequency selection to toggle by 'f' pushbutton -setup location mode selection to toggle by 'm' pushbutton -sonde / line location - unit of measurement (feet / meter) -power and radio modes – 50 or 60 Hz environment -sound (pitch) –normal / modulated -Language -continuous depth / current display -loudspeaker level -backlight -Bluetooth pairing if fitted -auto shut down 2/5 minutes or never
Internal Data Logging	-1000 records -each location records include depth, current, mode, gain setting and frequency -with GPS option; records include date, time and GPS co-ordinates

*(All product availability, technical specifications and/or product accessories information are subject to change without notice.
Model: vLocPro2 Receiver, Make & Design by: Vivax-Metrotech Corp., USA Origin: China)*

Data Transfer	-Data transfer program 'MyLocator' available free from www.vivax-metrotech.com -Data can be saved as .xls, .kml, .txt and .shp	
Operating Frequencies	-Power 50/60, Radio 22.1kHz, RF EUR 19.8kHz, 50/60Hz, CP 100/120 -Various Range between 64Hz to 800Hz and 1.02 kHz to 200 kHz -'Signal Direction' SD-EUR 320/640 Hz or SD-USA 256/512 Hz Vivax-Metrotech Corp. retains the right for addition or deletion from this list	
Operating Modes	Peak, Null, Sonde, Broad Peak and Peak with proportional Left / Right Arrows	
Gain control	Manual Gain using " + " or " - " with one touch to return to centre (60% of FSD)	
Performance using single undistorted signal source	Depth Range & Accuracy: 6 Meter (+ /- 5% up to 3M & + / - 10% over 3M) Depth Display Range: 20M Depth is dependent on signal strength radiating to receiver	
	Locate pinpointing accuracy -5% of depth up to 3M -10% of depth over 3M	Current measurement accuracy -5% of actual current up to to 3M -10% of actual current over 3M
Compatible Transmitters	Loc-1Tx (1 Watt), Loc-5Tx (5 Watt) and Loc-10Tx (10 Watt)	

D. Sensitivity:

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

E. Upgrade:

Software Upgrade	Via 'MyLocator' software can be upgraded using PC with USB port
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F. Environmental:

Temperature Range	Operating -20 to + 50 Deg. C. (-4 to + 122 Deg. F.)
Weather Proof	IP 54 and NEMA 4
Shipping Weight	18 Kg. with transmitter and accessories
Shipping Dimensions	45H x 31W x 79L cms. with transmitter and accessories

G. Warranty:

Warranty Period	-12 Months from date of supply against manufacturing defects or poor workmanship
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12 Optional:

Features and Accessories	-Receiver upgrade with 'Signal Direction' feature -Portable Transmitter Loc-1Tx (1 Watt), Loc-5Tx (5 Watt) and Loc-10Tx (10 Watt) -Sondes (waterproof self-contained transmitter for non-conductive utilities # D18-33-SR44 0.75"D x 3.1"L , 33 kHz, Range: 4M, 2 x Button cell batteries # D38-33-AA 1.5"D x 4"L , 33 kHz, Range: 5M, 1 x AA Battery # D64-33-6LR61 2.5"D x 7.3"L, 33 kHz, Range: 8M, 1 x 6LR61 Battery # D23F-512-AA 1"D x 18"L, 512 or 640 kHz, Range: 7M, 1 x AA Battery for CI Pipe -Sheath fault finding 'A-Frame' with USB connector -Remote antenna with USB connector -Custom Bluetooth Module (easy fit) with Holux GPS Module -Vehicle charging lead for Li-Ion battery pack of receiver -4" Clamp for use with live electric power cables
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13 Holux Bluetooth GPS (optional accessories):

Overview	The Model M-1200 high performance Bluetooth GPS receiver with built-in Li-Ion rechargeable battery without external power supply
Weight	30 Grams
Dimensions	67 L x 23 W x 16 H in mm.
Specifications	Tracks up to 32 satellites, Receiver L1, 1575.42 MHz, 1.023 MHz C/A code, 1 Hz Update Rate, Built in patch antenna, Minimum signal tracked: - 159dBm, Slide switcher for ON / OFF, Battery back-up up to 15 Hrs. of use, Accuracy better than 3M when receiving SBAS correction signal
LED Indication	Bluetooth, Navigation Update and Battery Status / Battery Charging Status
Operating Temperature	-10 Deg. C. to + 60 Deg. C.



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