A. Typical Applications

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

B. Receiver Assembly

Item	Parameter
Construction	- Carbon fiber reinforced antenna tube - High impact thermoplastic (ABS) injection molded housing
Weight	4.6lbs *(2.1kg)*
Dimensions	10.3in(L) x 4.8in(W) x 25in(H) *(262mm x 122mm x 639mm)*
Display Type	Sharp TFT LCD ¼ VGA color display, 3.52in *(89mm)*
Receiver Antennas	2 x Peak antennas, 1 x null antenna, 1 x compass antenna
Batteries Options	- Rechargeable custom Lithium-ion batteries with 100-240V AC mains charger. - Replaceable (6 x standard Alkaline AA batteries) batteries can be used when required
Battery Life	- Alkaline – typically 12 hours intermittent use at 70ºF *(21ºC)* - Lithium-ion – typically 40 hours intermittent use at 70ºF *(21ºC)* (with full backlight turned on). Re-charging cycles approx. 500 times life cycle. Battery life varies with temperature.
Bluetooth	- Plug-and-play custom Bluetooth interface
External Connectors	- 1 x Socket for accessories port (analogue & digital) - 1 x Mini USB socket for data transfer / programming - 1 x Socket for battery charger - 1 x Standard USB (Memory stick) socket for data transfer

Compliance/Approvals	- Complies with European standard CE (Directive 99/5/EC)
	  • EN 55011
	  • EN 61000-4-2: A1 & A2
	  • EN 61000-4-3
	  • EN 61000-4-8: A1
	  • ETSI EN 300 330-2
	  • ETSI EN 301 489-1
	  • ETSI EN 301 489-3
	- Complies with FCC Rules Part 15
	  • CFR 47 part 2
	  • CFR 47 Part 15

Standard Accessories	- USB data cable - 100-240V AC mains charger (lithium-ion battery) - Soft carry bag (roll around bag if purchased with transmitter) - User handbook

Optional Accessories	- Portable Transmitters: Loc-1Tx, Loc-5Tx, Loc-5STx, Loc-5DTx and Loc-10Tx
	- Sondes (waterproof self-contained transmitters for use in pipes & ducts)
	  • D18-33-SR44 - 0.75in(Dia.) x 3.1in(L) *(18mm x 80mm)*, 33 kHz, range 15ft *(4.5m)*, 2 x button cell batteries
	  • D38-33-AA – 1.5in(Dia.) x 4.1in(L) *(38mm x 105mm)*, 33 kHz, range 16.3ft *(5m)*, 1 x AA battery
	  • D38-09-AA – 1.5in(Dia.) x 4.1in(L) *(38mm x 105mm)*, 9.82 kHz, range 16.3ft *(5m)*, 1 x AA battery
	  • D38-83-AA – 1.5in(Dia.) x 4.1in(L) *(38mm x 105mm)*, 83 kHz, range 16.3ft *(5m)*,

	1 x AA battery
	• D64-33-6LR61 – 2.5in(Dia.) x 7.3in(L) *(64mm x 186mm)*, 33 kHz, range 26ft *(8m)*, 1 x 6LR61 battery
	• D64-09-6LR61 – 2.5in(Dia.) x 7.3in(L) *(64mm x 186mm)*, 9.82 kHz, range 26ft *(8m)*, 1 x 6LR61 battery
	• D64-83-6LR61 – 2.5in(Dia.) x 7.3in(L) *(64mm x 186mm)*, 83 kHz, range 26ft *(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 three sections for use in cast iron pipes as well as non metallic pipes, 1 x AA battery
	- A-frame USB (for sheath fault finding)
	- Remote Antenna USB
	- Custom Bluetooth Module (Easy Fit)
	- GPS Module (requires custom Bluetooth module above)
	- Vehicle charging lead (lithium-ion battery)

C. Operational

Item	Parameter
Information Displayed	- 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 - Plug and play automatic recognition of accessories - Accessory specific custom screen - Line location - depth & current measurement - Sonde location - depth measurement - Gain level (in dB) - Frequency selected - Battery condition - Speaker volume - Operating frequency - Bluetooth and GPS status - Configuration menu & submenus - Startup screen – product and USB accessories software revision - Customer definable start up screen
Configuration	Intuitive setup menu enables user to configure: - Setup frequency selection to toggle by "f" pushbutton - Setup location mode selection to toggle by "m" pushbutton - Sonde / line location - Units of measure (feet/meter) - Power and radio modes – 50Hz or 60Hz environments - Sound (Pitch) – normal/modulated - Language - Continuous depth/current options - Loudspeaker level - Backlight - Bluetooth pairing if fitted - Auto shut down – two or five minutes or never

Internal Data Logging	- At least 1000 records. - All parameters stored at each location including depth, current, mode, gain setting, and frequency. - If connected to GPS (via Bluetooth) data also recorded with coordinates and date time. - Files can be saved as .kml, .txt, .xls, .shp. - Data transfer program MyLocator2 available from www.vivax-metrotech.com
Operating Frequencies	Frequency set listed below.
Pre-defined Frequencies	Configurable frequencies from 16Hz to 200 kHz. 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 SD-USA 256Hz/512Hz SD-EUR 320Hz/640Hz Vivax-Metrotech Corporation retains the right to make additions or deletions to this list at any time
Operating Modes	- Peak - Null - Sonde - Broad Peak - Peak with proportional left/right arrows
Gain Control	Manual gain using "+" or "-" with one touch to return to center (60% of FSD)
Data Logging	- 1000 records - Records include depth, current, frequency, mode, gain setting, signal strength, GPS coordinate, date and time (if Bluetooth active)
Data Transfer	- Uses Vivax-Metrotech software application tool available free of charge from www.vivax-metrotech.com. Data can be saved in following format: xlx, txt, fhp, kml (Google earth)
Performance Using Single Undistorted Signal Source	Locate pinpointing accuracy: - up to 9ft *(3m)* – 3% of depth - over 9ft *(3m)* – 5% of depth Depth measurement accuracy: - 3% of depth Current measurement accuracy: - 3% of actual current – up to 9ft *(3m)* - 5% of actual current – over 9ft *(3m)* Depth range: Dependent on strength of signal radiating to locator
Compatible with Transmitter	Loc-1Tx, Loc-5Tx, Loc-5STx, Loc-5DTx, and Loc-10Tx

D. Sensitivity

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

E. Environmental

Item	Parameter
Temperature Range	Operating: -4ºF to 122ºF *(-20ºC to 50ºC)*
	Storage : -40ºF to 140ºF *(-40ºC to 60ºC)*
Weather Proof	IP54 and NEMA 4
Shipping Weight	37lbs *(17kg)* (with transmitter)
Shipping Dimension	17.5in(L) x 11.2in(W) x 30.1in(H) *(765mm x 285mm x 445mm)* (with transmitter)

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 MyLocator2.

H. Features

Item	Parameter
Enhanced Features	- Reduced size and weight with enhanced ergonomic design
	- Improved power management and Lithium-ion rechargeable batteries provide longer battery life (approx. 300% improvement from vLocPro)
	- Auto detects batteries type (Lithium-ion/Alkaline) and displays appropriate status
	- Non-reflective display
	- Enable/Disable auto shut off mode
	- USB data logging (Future feature)
	- Analogue channel (Future feature)
	- Internal data logging (1000 records)

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