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A. Typical Applications

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

B. Receiver Assembly

B .	Receiver Assembly	
	Item	Parameter
	Construction	- Carbon fiber reinforced antenna tube
L		- 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 1/4 VGA color display, 3.52in (89mm)
	Receiver Antennas	2 x Peak antennas, 1 x null antenna, 1 x compass antenna
	Batteries	- Rechargeable custom Lithium-ion batteries with 100-240V AC mains charger.
	Options	- Replaceable (6 x standard Alkaline AA batteries) batteries can be used when required
	Battery Life	- Alkaline – typically 12 hours intermittent use at 70°F (21°C)
		- Lithium-ion – typically 40 hours intermittent use at 70°F (21°C) (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
	<u> </u>	• 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-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
<u></u>		1 X AA Dallery

All products are designed and manufactured in accordance with ISO 9001:2008 Updated: June 2014







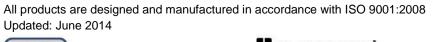


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	 D64-33-6LR61 – 2.5in(Dia.) x 7.3in(L) (64mm x 186mm), 33 kHz, range 26ft (8m), 1 x 6LR61 battery
	 D64-09-6LR61 – 2.5in(Dia.) x 7.3in(L) (64mm x 186mm), 9.82 kHz, range 26ft (8m), 1 x 6LR61 battery
	 D64-83-6LR61 – 2.5in(Dia.) x 7.3in(L) (64mm x 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 3 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)

Operational

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
	- Start up 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 – 2 or 5 minutes or never





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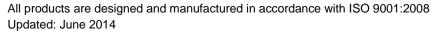


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Internal Data Logging	- At least 1000 records.
	- All parameters stored at each location including Depth, Current, Mode, Gain Setting,
	and Frequency.
	- If connected to GPS (via Bluetooth) data also recorded with coordinates and date
	time.
	- Files 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
Operating Medea	any time.
Operating Modes	- Peak
	- Null
	- Sonde
	- Broad Peak
Coin Control	- 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
Data Transisi	www.vivax-metrotech.com. Data can be saved in following format: xlx, txt, fhp, kml
	(Google earth)
Performance Using	Locate pinpointing accuracy:
Single Undistorted	- up to 9ft (3m) – 3% of depth
Signal Source	- 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	Loc-1Tx, Loc-5Tx, Loc-10Tx
Transmitter	

D. Sensitivity

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











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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	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. Holux Bluetooth GPS (Optional Accessory)

Item	Parameter
Overview	The M-1200 high performance Bluetooth [™] GPS Receiver which featured with:
	- 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	- 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
	- Accuracy better than 3m when receiving SBAS correction signal
LED Indication	- Bluetooth
	- Navigation update
	- Battery/charger status indication
Temperature Range	- Store Temperature
	• -4°F to 140°F (-20°C to 60°C)
	 -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)

I. 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

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-	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.

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