vLoc Series 2

- Smaller and lighter
- Over four times battery life
- Define, set and lock available features
- Customisable startup screen
- and much more......

Locate with Accuracy and Confidence

Precision Instruments...

vLoc Pro2

vLocPro2 builds on the features of the original vLocPro to enhance productive location

- ‣ Rugged ABS & carbon fibre construction
- ‣ IP54 rating for all weather use
- ‣ Colour display
- ‣ High speed dual core processor
- ‣ Multiple location modes with compass orientation
- ‣ Multiple frequencies (over 70)
- ‣ Push button and continuous depth/current (feet or meters)
- ‣ Normal & modulated audio modes (separately selectable for Power, Radio & Active modes)
- ‣ Selectable languages (over 20)
- ‣ Selectable "time off" function
- ‣ Rechargeable and alkaline battery packs
- ‣ Optional signal direction to aid line identification
- ‣ Optional Bluetooth and GPS
- ‣ Optional A-frame and remote antenna

vLocPro2 adds the following features

- ‣ Plug & play *Bluetooth* (customer can install)
- ‣ *Weighs much less* than the previous vLocPro
- ‣ *Triangulation depth*
- ‣ Lithium ion batteries (plus new battery management software) *over x 4 battery life"*
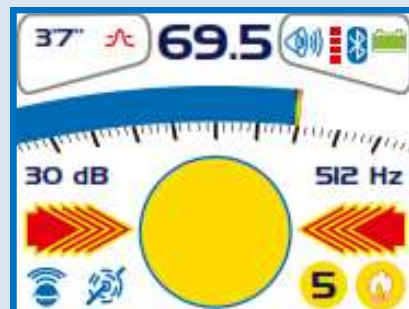- ‣ *MyLocator2* configuration management tool for vLoc Series 2

(*Comparison between vLocPro with NiMH and vLocPro2 with Lithium ion rechargeable battery pack at 72°F)

vLocPro2

vLocML2

vLocML2 includes all the features available in vLocPro2 plus:

- ‣ Location to passive EMS© style markers used by utilities to mark underground assets
- ‣ Colour coded signal strength indication
- ‣ Dedicated line locate mode
- ‣ Dedicated marker locate mode
- ‣ *Simultaneous* line and marker locate mode

vLocML2

...for general utility location, utility mapping, pipeline....

The use of GPS with locators is increasing in our industry. The vLoc's compatibility with a wide range of GPS units enables the user to choose a GPS to suit the degree of accuracy required for the budget available.

GPS & the VLoc Series 2 provide:

▶ Combined GPS location with locate data (such as depth, current etc)
▶ Date & time stamping—proving when the locate was done
▶ Collection of location data for incorporating in map databases or reporting
▶ Useful management data for planning and productivity assessment

Bluetooth & GPS:

▶ New Plug & Play Bluetooth module that can be installed by you
▶ Greatly improved internal data-logging capability
▶ Compatible with a wide range of GPS receivers
▶ New fast upload software suits most of the popular file formats (.xls, .txt, .kml, .shp)
▶ Real time on screen GPS data appears with Depth & Current display on Locator

vLocPro2 Measure #1

Date = 06/21/2011
Time = 04:17:36
Distance = 0.00ft
Depth = 3.06ft
Current = 0.080A
Frequency = 512Hz
Mode = peak
SD = +

MyLocator2—Configuration Management Tool

New with the vLoc Series 2—the MyLocator 2 Configuration Management Tool is a desktop/laptop utility that enables:

▶ Uploading data from the Locator to a computer
▶ Downloading of software to the Locator
▶ Updating of both desktop/laptop and locator software (get new features as we develop them)
▶ Start up screen customisation—add a message, telephone #, Plant #, or any picture to your Locator
▶ Unit configuration—select/deselect featurs. Manage the features and modes available to the user, "deselect" unwanted features/modes and lock using a "lock-out dongle" (available from Vivax-Metrotech) - only you (with the dongle) can re-select that feature. These selections can be saved on your computer as a configuration file (.vmcfg). That configuration can then be installed on multiple units. Or—without the dongle—simplify the Locator menus by removing what features you don't use, you can always reinstate them at any time.

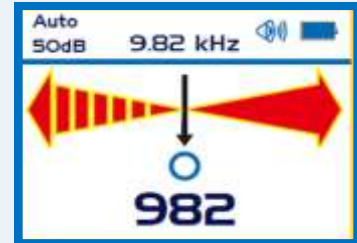# ...defect mapping and long line cable location

vLoc-9800

The vLoc-9800 is a new addition to the vLoc range, it builds on the Metrotech tradition of performance and simplicity – the vLoc 9800 includes:

▶ Colour display
▶ Automatic and manual gain options
▶ *Distance Sensitive Left/Right Guidance™*
▶ Pushbutton depth & current
▶ Simple user interface
▶ vLoc Series 2 enhanced battery life
▶ Shealth fault location (option)

Distance Sensitive Left/Right Guidance™ – Pioneered by Metrotech thirty years ago – this is the standard method of locating in many industries. Most manufacturers provide left/right indication using a peak/null antenna set. Metrotech product and now the vLoc-9800 uses two horizontal guidance antennas some distance apart. This provides very accurate left/right separation – that, together with an exceptionally high level of sensitivity, produces a crisp, fast, accurate response... and an easier locate.
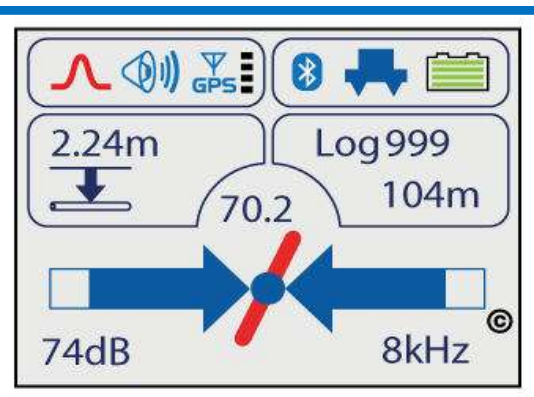
vLoc-9800

vLocDM2

The vLoc DM2 is used to precisely locate and assist in evaluating pipe coating defects. The system can be used on either transmission or distribution pipes. A complete ACVG survey can be undertaken using the vLocDM2 and A-frame.

▶ The vLocDM2's foot can be removed to make general pipe location easier.
▶ Use the lightweight and strong carbon fibre A-frame to pinpoint specific defects.
▶ Bluetooth and GPS Holux (standard) provide GPS and locate information, the Bluetooth can pair with other external GPS units.
▶ New improved data logging capability will capture both GPS and locate information.
▶ New, fast desktop/laptop upload utility enables export of most popular file formats (.xls, .txt, .shp)
▶ The vLocDM2's display has been configured specifically for pipeline evaluation. Data can be graphed in real time on the receiver, while still on site. The walk back feature highlights the operators position on the graph allowing them to return to a point of interest where further evaluation or a ACVG, A-frame survey can be undertaken.
▶ The vLocDM2 is supplied with a 150W transmitter that operates with 100-240V AC, 12V DC or rectifier voltage (nominally 30-60V DC).
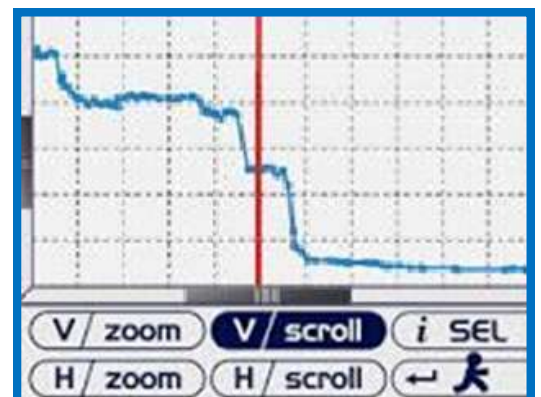▶ vLocDM2 is compatible with MyLocator TM Configuration Management Tool.

See the vLocDM2 brochure for more details regarding this system.

vLocDM2

Main Display

Walk Back Feature

vLoc2 Transmitter

CORROSION CONTROL ENGINEERING

VIVAX METROTECH

Loc-1Tx

Transmitters

A wide range of transmitters are available for us with the vLoc receivers.

▶ Loc-1Tx (1 watt) transmitter is a three frequency transmitter for short range applications.

▶ Loc-5Tx (5 watt) transmitter has multiple frequencies, signal direction and sheath fault locating modes.

▶ Loc-10Tx (10 watt) transmitter has our maximum number of frequencies and a *true 10W of output*, together with signal direction and sheath fault locating modes.

▶ Loc-150Tx (150 watt) transmitter is used primarily with the vLocDM2—however it is also useful for those needing low frequency—high output transmitter.

▶ FLS Tx—generlaly supplied for rack mounting (also available as a ruggedized portable unit) this transmitter is used mainly for communication cables (such as fibre optic lines with metallic sheath). It can be integrated into line management systems and can be accessed via a telephone line, order wire or internet protocol.

▶ The Loc-5Tx and Loc-10Tx can transmit 2 frequencies simultaneously.

The Loc-1Tx, Loc-5Tx, Loc-10Tx have internal batteries. The Loc-150Tx is externally powered by 100-240AC, 12V DC, 30-60V DC. The FLS again is externally powered with 50V DC (standard) or 100-240V AC (option). See the relevant transmitter data sheets for full details of features and performance.

Loc-5Tx

Loc-10Tx

Loc-150Tx

FLS

vLocCam2

The vLocCam is a locator configured for use with CCTV inspection cameras (transmitting 512Hz/640Hz location signals) and a range of battery powered Sondes. (Sondes are small self contained transmitters which are pushed through pipes to find blockages or locate the position and depth of the pipe from the surface. Low frequency Sondes—512Hz or 640Hz will radiate through both plastic and cast iron pipes. Higher frequency Sondes—8kHz or 33 Khz—are used mainly fro plastic pipes or ducts).

Vivax-Metrotech manufactures a range of CCTV inspection cameras such as the vCamModular.

vLocCam2

Call for Cam CCTV Inspection brochure.

vCam

Sondes

Battery powered self contained transmitters.

| Dia. 0.7" (18mm)Range 12ft (4m) | Dia. 1.5" (38mm)Range 15ft (5m) | Dia. 2.5" (38mm)Range 24ft (8m) | Dia. 1" (23mm) flexible Range 20ft (7m) |