



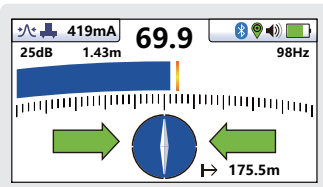
**VIVAX**  
**METROTECH**

# vLoc3-DM DEFECT MAPPER

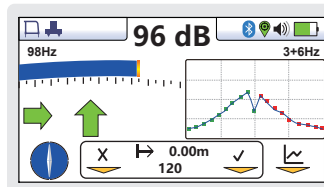
- Real-time on-screen mapping and data review
- Identify the location of pipe coating defects
- Color-coded EM distortion warnings
- Low-frequency 3Hz and 4Hz current mapping
- Internal Bluetooth and GPS
- Internal data logging and via Cloud

The **vLoc3-DM** is used to precisely locate pipelines 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 vLoc3-DM and Plug-in A-Frame Antenna. The display on the vLoc3-DM 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 operator's position on the graph allowing them to return to a point of interest where further evaluation or an ACVG, A-frame survey can be undertaken.

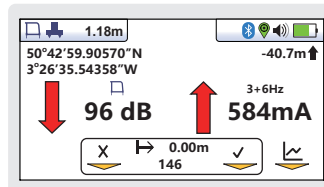
With two sets of 3D antennas signal distortion is easily detected and displayed on the bright full-color display. In addition, the vLoc3-DM introduces new locate perspective screens of Vector Locate for fully automatic non-walk over locating, Transverse Graph showing both peak and null simultaneously providing an immediate measurement of signal distortion, and Plan View showing the relative orientation of the cable at any angle. Visual and mechanical vibration alerts can also be configured by the user providing warnings for shallow depth, overload, overhead cables, and excessive swinging.



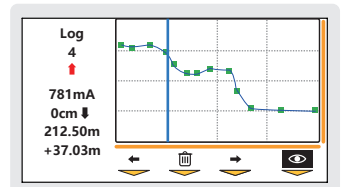
**Classic Locate Screen** - Used to locate the position of the pipeline, with the addition of surface distance to the last measurement and three color-coded distortion levels.



**A-Frame Screen** - The A-frame screen shows a peak locate screen, compass indicator, direction to a fault, a graph of fault magnitude and data logging options.



**Simultaneous Fault and Current Screen** - shows both A-Frame and Defect Mapper current readings.



**Review Screen** - to review points of the complete graph. Shows LF current, total survey distance, distance from the previous measurement.

## Internal Bluetooth and GPS

### Li-ion and Alkaline Batteries

- Li-ion - typically 27-hours of intermittent use
- Alkaline - typically 12-hours of intermittent use

### USB Data Port

- Download data logs
- Update firmware

### Accessory Port

- Remote antenna
- A-Frame fault locating antenna
- 12V DC charging lead

### Two sets of omnidirectional antennas

- compass antenna
- horizontal antenna
- vertical antenna

- Ergonomic and lightweight at 2.6 kg
- IP65 and NEMA 4 rating
- High impact ABS injection molded housing

### Low Frequency Field Sensor

When low frequency mapping is not required, the LF sensor foot can be removed



### Ultra Bright Color LCD

- High visibility 4.3"/10cm LCD
- Auto backlighting

### Data Logging

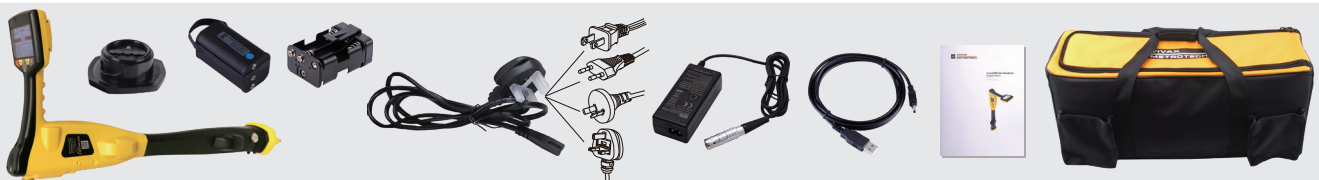
- 50 Million internal record storage
- GPS coordinates and data/time stamps
- Access and export data via the free VMMMap cloud
- Download data with MyLocator software from the device

### Optional Accessory A-Frame Fault Locating Antenna

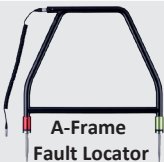


|                                  | <b>vLoc3-DM Receiver Specifications</b>                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Construction</b>              | High impact thermoplastic (ABS) injection molded housing                                                                                                                                                                                                      |
| <b>Weight &amp; Dimensions</b>   | 2.6kg / 312 x 116 x 783mm (LxWxH)                                                                                                                                                                                                                             |
| <b>Display</b>                   | 4.3" / 10.9cm Transmissive 480 x 272 Pixel, 16-bit Color, High Visibility LCD                                                                                                                                                                                 |
| <b>Battery options</b>           | Rechargeable custom Lithium-ion batteries with 100-240V AC mains charger<br>Six AA Alkaline batteries                                                                                                                                                         |
| <b>Battery life</b>              | Lithium-ion – typically 27-hours intermittent use at 70°F (21°C)<br>Alkaline – typically 12 hours intermittent use at 70°F (21°C)                                                                                                                             |
| <b>Operating frequencies</b>     | Active: - Configurable frequencies from 98Hz to 200 kHz<br>- Signal Direction (SD) - enhanced frequency giving direction of the outgoing transmitter current<br>Passive: Power - 50Hz and 60Hz, Radio - 10kHz - 22.7kHz bandwidth<br>Mapping: 3/6Hz and 4/8Hz |
| <b>Operating modes</b>           | Defect Mapping, Defect Mapping A-Frame, Classic Locate (Bar graph), Transverse Graph Mode, Plan View (Omni Directional) Vector Locate (Lateral Position & Depth), Sonde Locate                                                                                |
| <b>Data logging and transfer</b> | 50 Million records - Records include depth, current, frequency, mode, gain setting, signal strength, GPS coordinate, date and time<br>Download data from the receiver using the free MyLocator3 desktop app, save as xls, txt, shp and kml files              |
| <b>Environmental</b>             | IP65 and NEMA 4                                                                                                                                                                                                                                               |

### What's in the box



### Popular Accessories



A-Frame  
Fault Locator



Vehicle Charging Lead



Sondes



Remote Antenna

### Compatible Transmitters



150-Watt Transmitter

The Loc-150Tx is designed to be powered from CP (Cathodic Protection) stations, AC or external power, eliminating the need for batteries. With selectable frequencies from 98Hz to 640Hz.



25-Watt Transmitter

The Loc3-25Tx portable battery-powered transmitter is tailored for cathodic protected longline pipelines and gas distribution in city areas needing a low-frequency high output transmitter.

Local Vivax-Metrotech Distributor:



Download Sales Sheet

**Metrotech Vertriebs GmbH**

Am steinernen Kreuz 10a  
96110 Schesslitz, Germany  
Sales Tel: +49 9542 77227-42  
Service Tel: +49 9542 77227-43  
Email: SalesEU@vxmt.com

CONNECT WITH US ON SOCIAL MEDIA



V1.2