

vLoc 9800

NEW



vLoc-9800



Loc-5Tx

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
- ▶ Sheath 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.

Transmitters

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

Receiver Accessories

A-Frame

For detecting the position of ground / sheath fault.



Transmitter Accessories

VM-Clamps

To apply the transmitter signal to a target cable when no access to the conductor is possible. Dia. 2" (50mm), dia. 4" (100mm), dia. 5" (1225mm), 18" flexible (450mm).



vLoc 9800

A. Typical Applications

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

B. Typical Applications

Item	Parameter
Construction	<ul style="list-style-type: none"> - Carbon fibre reinforced antenna tube - High impact thermoplastic (ABS) injection moulded housing
Weight	5lbs (2.3 kg)
Dimensions	10.3in(L) x 9.8in(W) x 25in(H) (262mm x 250mm x 639mm)
Display Type	Sharp TFT LCD ¼ VGA colour display, 3.52in (89mm)
Receiver Antennas	4 peak antennas
Batteries	<ul style="list-style-type: none"> - Rechargeable Lithium-ion batteries with 100-240V AC mains charger - Replaceable (6 x standard Alkaline AA batteries) batteries can be used when required
External Connectors	<ul style="list-style-type: none"> - 1 x Socket for USB accessories - 1 x Mini USB socket for programming - 1 x Socket for battery charger & analogue accessories
Approvals	<ul style="list-style-type: none"> - Complies with European standard CE (Directive 99/5/EC) <ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • CFR 47 part 2 • CFR 47 part 15
Standard Accessories	<ul style="list-style-type: none"> - 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	<ul style="list-style-type: none"> - Portable Transmitters – Loc-1Tx, Loc-5Tx, Loc-10Tx - Sondes (waterproof self-contained transmitters for use in pipes & ducts) <ul style="list-style-type: none"> • 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

vLoc 9800

Item	Parameter
	<p>(5m), 1 x AA battery</p> <ul style="list-style-type: none"> • D64-09-6LR61 – 2.5in(Dia.) x 7.3in(L) (64mm x 196mm), 9.82 kHz, range 26ft (8m), 1 x 6LR61 battery - A-frame USB (for Sheath Fault Finding) - Remote Antenna USB - Vehicle Charging Lead (Lithium-ion battery)

C. Operational

Item	Parameter
Information Displayed	<ul style="list-style-type: none"> - Classic Left Right indication - Signal strength – moving bar graph & numeric value - Mode indication (“Peak”) - Proportional left/right indication - Plug and Play automatic recognition of accessories - Line location – depth & current measurement - Sonde location – depth measurement - Gain level (in dB) - Frequency selected - Battery condition - Speaker volume - Operating frequency - Configuration menu & submenus - Start up screen – product software revision - Customer definable start up screen
Configuration	<p>Intuitive setup menu enables user to configure:</p> <ol style="list-style-type: none"> 1. About – software revision 2. Setup frequency selection to toggle by “f” push button 3. Setup location mode selection to toggle by “M” push button 4. Sonde / line location 5. Units of measure (feet/meter) 6. Power and radio modes – 50Hz or 60Hz environments 7. Sound (Pitch) – normal/modulated 8. Language 9. Continuous depth/current options 10. Loudspeaker level 11. Backlight
Pre-defined Frequencies	982Hz, 9.8 kHz, 83.1 kHz, Power 50, Power 60
Operating Modes	<ul style="list-style-type: none"> - Peak - Sonde

vLoc 9800

Item	Parameter
	<ul style="list-style-type: none"> - Metrotech classic Left/Right indication - Metrotech classic Left/Right indication auto gain
Gain Control	Manual gain using "+" or "-" with one touch to return to center (60% of FSD)
Performance using Single Undistorted Signal Source	Locate pinpointing accuracy: <ul style="list-style-type: none"> - over 9ft (3m) – 5% of depth - up to 9ft (3m) – 3% of depth
	Depth measurement accuracy: - 3% of depth
	Current measurement accuracy: <ul style="list-style-type: none"> - 5% of actual current – over 9ft (3m) - 3% of actual current – up to 9ft (3m)
	Depth range: <ul style="list-style-type: none"> - Dependent on strength of signal radiating to locator

D. Sensitivity

Mode	Sensitivity at 3.2ft (1m)
50Hz/Power Mode	7.5 mA
60Hz/Power Mode	7.6 mA
Radio Mode	20 μ A

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	38.6lbs (17.5kg) (with transmitter)
Shipping Dimension	17.5in(L) x 11.2in(W) x 30.1in(H) (765mm x 285mm x 445mm)

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 email

vLoc 9800

H. Features

Item	Parameter
Enhanced Features	<ul style="list-style-type: none"> - Reduced size and weight with enhanced ergonomic design - Improved power management and Lithium-ion rechargeable batteries provide longer battery life (300%more) - Auto detects batteries type (Lithium-ion Alkaline) and displays appropriate status - Non-reflective display - Enable/Disable auto shut off mode - USB data logging - Analogue channel - Overload protection

DISTRIBUTED BY CORROSION CONTROL ENGINEERING
www.cceng.com.au

For more information contact:

Corrosion Control Engineering (NSW) Pty Ltd
Unit 4/378 Parramatta Road (PO Box 2025)
HOMEBUSH WEST NSW 2140
Phone: +61 2 9763 5611 | Fax: +61 2 9763 5644 | Email:
contact@cceng.com.au

Corrosion Control Engineering (VIC) Pty Ltd (Servicing VIC, TAS, SA)
9J International Square (PO Box 482)
TULLAMARINE VIC 3043
Phone: +61 3 9338 4900 | Fax: +61 3 9310 3344 | Email: contactvic@cceng.com.au

Corrosion Control Engineering (QLD) Pty Ltd (Servicing QLD, NT)
Unit 2/7 Luke Street LYTTON QLD 4178
PO Box 330 BULIMBA QLD 4178
Phone: +61 7 3393 3200 | Fax: +61 7 3393 3199 | Email: reception-qld@cceng.com.au

Corrosion Control Engineering (WA) Pty Ltd
7/41 Holder Way MALAGA WA 6090
PO Box 2569 MALAGA WA 6944
Phone: +61 8 9248 9133 | Fax: +61 8 6210 1120 | Email:
contactwa@cceng.com.au

Corrosion Control Engineering (NZ) Limited (Auckland Office)
Unit 5A/5 Douglas Alexander Parade (PO Box 300229)
ALBANY AUCKLAND 0752 NZ
Phone: +64 9 415 2440 | Fax: +64 9 415 2441
Email: contact@cceng.co.nz | Web: www.cceng.co.nz

Corrosion Control Engineering (NZ) Limited (New Plymouth Office)
37 Karamea Street WHALERS GATE NEW PLYMOUTH 4150 NZ
PO Box 5037 WESTOWN NEW PLYMOUTH 4343 NZ
Phone/Fax: +64 6 751 4537 | Email: contact@cceng.co.nz | Web:
www.cceng.co.nz

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