

A. Typical Applications

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

B. Receiver Assembly

Item	Parameter
Construction	<ul style="list-style-type: none"> - Carbon fiber reinforced antenna tube - High impact thermoplastic (ABS) injection molded housing
Weight	5lbs (2.3kg)
Dimensions	10.3in(L) x 9.8in(W) x 25in(H) (262mm x 250mm x 639mm)
Display Type	Sharp TFT LCD ¼ VGA color 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
Battery Life	<ul style="list-style-type: none"> - Alkaline – typically 12 hours intermittent use at 70°F (21°C) - Lithium-ion – typically 40 hours continuous use at 70°F (21°C) (with full backlight turned on). Re-charging cycles approx. 500 times life cycle. Battery life varies with temperature.
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 61000-6-4: 2007 • EN 61000-4-3: 2006 • EN 61000-4-2: 1995 A1 & A2 • EN 61000-4-8: 1994 A1 • ETSI EN 300 330-2: 2006 • ETSI EN 301 489-1: 2005 • ETSI EN 301 489-3: 2002 - Complies with FCC Rules Part 15 <ul style="list-style-type: none"> • CFR 47 part 2: 2004 • CFR 47 Part 15: 2006 • ANSI C63.4: 2003
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 (5m), 1 x AA 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 - A-frame USB (for Sheath Fault Finding)

	<ul style="list-style-type: none"> - Remote Antenna USB - Vehicle Charging Lead (Lithium-ion battery)
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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 - Auto 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	Intuitive setup menu enables user to configure: <ol style="list-style-type: none"> 1. About – software revision 2. Setup frequency selection to toggle by "F" pushbutton 3. Setup location mode selection to toggle by "M" pushbutton 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 - 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	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Locate pinpointing accuracy:</td> <td> <ul style="list-style-type: none"> - over 9ft (3m) – 10% of depth - up to 9ft (3m) – 5% of depth </td> </tr> <tr> <td>Depth measurement accuracy:</td> <td>- 3% of depth</td> </tr> <tr> <td>Current measurement accuracy:</td> <td>- 10% of actual current – over 9ft (3m) 5% of actual current – up to 9ft (3m)</td> </tr> <tr> <td>Depth range:</td> <td>- Dependent on strength of signal radiating to locator</td> </tr> </table>	Locate pinpointing accuracy:	<ul style="list-style-type: none"> - over 9ft (3m) – 10% of depth - up to 9ft (3m) – 5% of depth 	Depth measurement accuracy:	- 3% of depth	Current measurement accuracy:	- 10% of actual current – over 9ft (3m) 5% of actual current – up to 9ft (3m)	Depth range:	- Dependent on strength of signal radiating to locator
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D. Sensitivity

Mode	Sensitivity at 3.2ft (1m)
50Hz/ Power Mode	7.5 mA
60Hz/ Power Mode	7.5 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.

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

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

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