

A. Typical Applications

| Item | Parameter |
|--------------------|---|
| Description | Pipeline defect mapper transmitter |
| Uses | Transmitting active signals for the location of coating defects on buried pipes |



B. Transmitter Assembly

| Item | Parameter |
|---|--|
| Construction | High impact ABS |
| Weight | 27.5lbs (12.5kg) |
| Dimension | 16.7"(L) x 10.3"(W) x 12.9"(H) (425(L) x 262(W) x 328(H)mm) |
| Display type | Monochrome dot matrix display 2.4" x 1.3" (60mm x 32mm) |
| Power Supply | <ul style="list-style-type: none"> ➤ Cathodic Protection (nominally 50V DC) ➤ 100 – 250V AC mains power ➤ or 12V DC external supply (output is limited when using 12V DC) |
| External Connectors | <ul style="list-style-type: none"> ➤ 100 – 250V AC mains input - three pin "Multi-Con-X" connector (Male) ➤ DC Input - two pin "Multi-Con-X" connector (Male) ➤ Transmitter output - two pin "Multi-Con-X" connector (Female) ➤ Fuse sockets |
| Output Protection | Output fuse protected against accidental connection to up to AC/DC 250V |
| Approvals | <ul style="list-style-type: none"> ➤ Complies with European standard CE (Directive 99/5/EC) (Pending) <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 ➤ Complies with FCC Rules Part 15 (Pending) <ul style="list-style-type: none"> ○ CFR 47 part 2: 2004 ○ CFR 47 Part 15: 2006 ○ ANSI C63.4: 2003 ○ ETSI EN 301 489-3: 2002 |
| Standard Accessories (supplied with transmitter) | <ul style="list-style-type: none"> ➤ 1 x direct connection lead (with two cables each 10ft(3.5m) long with crocodile clips) ➤ 1 x DC input lead (with two cables each 10ft (3.5m) long with crocodile clips) ➤ 1 x 3m mains input lead. |

C. Operational

| Item | Parameter |
|--|---|
| Information displayed | <ul style="list-style-type: none"> ➤ Output Frequency ➤ Output Current setting ➤ Output Current ➤ Output Voltage (info menu) ➤ Operating Temperature (info menu) |
| Signal Application Modes | <ul style="list-style-type: none"> ➤ Direct connection mode only- applies signal directly to the cable by clipping one output lead to the pipe, the other to an independent ground or anode bed. |
| Transmitting Frequencies (varies by country & market) | <ul style="list-style-type: none"> ➤ 98Hz, 128Hz, 512Hz, 640Hz, 3Hz/98Hz, 3Hz/128Hz, 4Hz/98Hz ➤ 4Hz/128Hz, ELF1-3Hz/6Hz/98Hz; ➤ ELF2-3Hz/6Hz/128Hz; ➤ ELF3-4Hz/8Hz/98Hz; ELF4-4Hz/8Hz/128Hz; ➤ 3Hz/6Hz/512Hz; ➤ 3Hz/6Hz/640Hz; ➤ 4Hz/8Hz/512Hz; ➤ 4Hz/8Hz/640Hz <p>Other multiple frequencies in the range of 3Hz to 2kHz available upon request.</p> |
| Transmitting Mode Power output | <p>Powered by AC: 150W</p> <p>Powered by DC: 12-20V, 50W</p> |
| Output voltage | Maximum output voltage = 120V RMS |
| Output current | Maximum output current = 4A RMS with up to 2 frequencies. Output limited to 3A with three or four simultaneous frequencies. |
| Controls | <p>Uses 2 Rotary/Push control knobs to select:</p> <ul style="list-style-type: none"> ➤ Frequency ➤ Output level ➤ Information ➤ ACTIVE/STANDBY push button ➤ One On/OFF push button |
| Compatible with Receivers | vLocDM |

D. Environmental

| Item | Parameter |
|---------------------------|--|
| Temperature Range: | <p>Operating : -4°F to 122°F (-20°C to 50°C)</p> <p>Storage : -40°F to 140°F (-40°C to 60°C)</p> |
| Weather Proof | IP54 and NEMA 4 |

| | |
|---------------------------|--|
| Shipping Weight | 44.1lbs (20kg) |
| Shipping Dimension | 21.7"(L) x 15.2"(W) x 18.3"(H) (550(L) x 385(W) x 465(H) mm) |

E. Warranty

| Item | Parameter |
|-----------------|-----------|
| Warranty | 12 months |

Disclaimer: All product availability or product accessory information is subject to change without notice.

| United State of America | Europe |
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| <p>Vivax-Metrotech Corporation 3251 Olcott Street, Santa Clara, CA 95054, USA Website : www.vivax-metrotech.com</p> <p>Sales & Sales Support: T/Free : +1-800-446-3392 Tel : +1-408-734-1400 Fax : +1-408-734-1415 Email : sales@metrotech.com</p> <p>Application Support: T/Free : +1-800-624-6210 Tel : +1-408-454-7159 Fax : +1-408-743-5597 Email : applications@metrotech.com</p> <p>Service & Repairs: T/Free : +1-800-638-7682 Tel : +1-408-962-9990 Fax : +1-408-734-1799 Email : service@metrotech.com</p> <p>All Other Department: T/Free : +1-877-330-1647 Tel : +1-408-734-3880 Fax : +1-408-962-9993</p> | <p>SebaKMT Seba Dynatronic Mess-und Ortungstechnik GmbH Dr.-Herbert-Iann-Str. 6, 96148 Baunach, Germany</p> <p>Tel : +49-9544-680 Fax : +49-9544-2273 Website : www.sebakmt.com Email : service@sebakmt.com</p> |
| | Australasia |
| | <p>SebaKMT AUS Unit 1, 176 South Creek Road, Cromer NSW 2009, Australia</p> <p>Tel : +61-2-9972-9244 Fax : +61-2-9972-9433 Website : www.sebakmtaus.com Email : sales@sebakmtaus.com service@sebakmtaus.com</p> |
| | China |
| | <p>Leidi Utility Supply (Shanghai) Ltd. Rm405 3rd Building No. 641, Tianshan Rd, Shanghai, China 200336</p> <p>Tel : +86-21-5187-3880 Fax : +86-21-5168-5880 Website : www.leidi.com Email : info@leidi.cn</p> |
| Canada | |
| <p>Vivax Canada Inc. 400 Esna Park Drive, Unit 17, Markham, Ontario, L3R 3K2, Canada</p> <p>Tel : +1-289-846-3010 Website : www.metrotech.com Email : CanadianSales@vivax.biz</p> | |