VISION FLX² Fault Finder

ADVANCED FAULT-FINDING FEATURES
for consistently accurate utility locating

McLaughlin
Providing Solutions Since 1921
3-YEAR WARRANTY — INCLUDES WATER DAMAGE*

**Receiver key features:**
- Dual Peak/Null mode for increased efficiency and productivity
- Manual and semi-auto gain adjustment
- Auto depth and current displayed simultaneously
- Compass icon for quick reference of utility direction
- Gain value displayed on LCD
- No periodic calibration needed

**Transmitter key features:**
- 5 watts of output power
- 5 active frequency modes
- Signal loop indication — audible and visual
- Inductive clamp — no limitations (does need to encircle the utility)

*Equipment, including outer case, is subject to inspection by McLaughlin for warranty determination.

**RECEIVER (RX) SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Active frequencies</th>
<th>38 kHz: 38 kHz ± 0.02%</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>9.5 kHz: 9.5 kHz ± 0.02%</td>
</tr>
<tr>
<td></td>
<td>80 kHz: 80 kHz ± 0.02%</td>
</tr>
<tr>
<td></td>
<td>850 Hz: 850 Hz ± 0.02%</td>
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<tr>
<td></td>
<td>512 Hz: 512 Hz ± 0.02%</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Passive radio</th>
<th>RAD: 9 kHz – 33 kHz (80 bands)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passive power</td>
<td>45 Hz – 65 Hz</td>
</tr>
<tr>
<td>Battery type</td>
<td>6 alkaline LR6 “AA”</td>
</tr>
<tr>
<td>Battery life</td>
<td>18 hours, 68° F (20° C)</td>
</tr>
<tr>
<td>Battery status</td>
<td>Continuous indication</td>
</tr>
</tbody>
</table>

**Depth display range**
- High precision depth measurement:
  - Line: 0' – 16' (0 m – 5 m)
  - 0' – 30' (0 m – 9.1 m)
- Probe: 0' – 30' (0 m – 9.1 m)
- Real time depth measurement: 0' – 33' (0 m – 10.1 m)

**Depth readout unit**
- Feet and inches/Meters

**Depth accuracy**
- 6.5' (2 m): ± 2.5%
- 10' (3 m): ± 5%
- 18.5' (5 m): ± 10%

**Current value**
- Current value flowing on the conductor is displayed for line identity in milliamps

**Audio output**
- Internal speaker with sound volume adjusting function, earphone (optional)

**Data logging**
- Memorized 400 points of the depth/current measurement/date and time data

**Interface**
- 6-pin connector

**Operating temp.**
- -4° F – 122° F (-20° C – 50° C)

**Dimensions**
- 26" × 5.1" × 10.6" (66 cm x 13 cm x 26.9 cm)

**Weight**
- 4.7 lb approx. (2.1 kg) including 6 batteries

**TRANSMITTER (TX) SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Output frequencies</th>
<th>38 kHz: 38 kHz ± 0.02%</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>(Standard frequency)</td>
</tr>
<tr>
<td></td>
<td>9.5 kHz: 9.5 kHz ± 0.02%</td>
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<tr>
<td></td>
<td>80 kHz: 78.125 kHz ± 0.02%</td>
</tr>
<tr>
<td></td>
<td>512 Hz: 512 Hz ± 0.02%</td>
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<tr>
<td></td>
<td>(Direct connect only)</td>
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<tr>
<td></td>
<td>Dual 9.5 kHz and 38 kHz ± 0.02%</td>
</tr>
<tr>
<td></td>
<td>(Direct connect only)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Output power</th>
<th>5 W maximum/80 kHz: 1 W maximum</th>
</tr>
</thead>
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<table>
<thead>
<tr>
<th>Operating modes</th>
<th>Direct connection mode, inductive mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>External coil mode (optional)</td>
<td></td>
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</tbody>
</table>

**Battery type**
- 6 alkaline LR6 “AA”

**Battery life**
- Direct mode: 50 hours
  - Output 4 mA, 68° F (20° C)
  - Inductive mode: 20 hours
  - Output 50%, 68° F (20° C)
  - Full power (5 W): 10 hours, 68° F (20° C)

**Battery status**
- Low battery indication and press key readout

**Visual indication**
- LCD: bar graph and digital number

**Audio indication**
- Internal speaker: alarm, beeping sounds

**Measuring function**
- Output current: 0 mA – 300 mA
- Line voltage: 0 V – 250 V

**Output protection**
- AC 250 V (512 Hz/640 Hz): output is cut off automatically

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<tr>
<th>Operating temp.</th>
<th>-4° F – 122° F (-20° C – 50° C)</th>
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**Dimensions**
- When using: 10.3" x 12.4" x 4.3" (26.2 cm x 31.5 cm x 10.9 cm)
- When stored: 8.9" x 12.4" x 4.3" (22.6 cm x 31.5 cm x 10.9 cm)

**Weight**
- 7.9 lb approx. (3.6 kg) including 8 batteries

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