

VISION **FLX₂** Fault Finder



ADVANCED
FAULT-FINDING FEATURES
for consistently accurate utility locating

McLAUGHLIN
Providing Solutions Since 1921

VISION **FLX₂** Fault Finder



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 not need to encircle the utility)

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

RECEIVER (RX) SPECIFICATIONS

Active frequencies	38 kHz: 38 kHz ± 0.02% 9.5 kHz: 9.5 kHz ± 0.02% 80 kHz: 80 kHz ± 0.02% 850 Hz: 850 Hz ± 0.02% 512 Hz: 512 Hz ± 0.02%
Passive radio	RAD: 9 kHz – 33 kHz (80 bands)
Passive power	POW: 45 Hz – 65 Hz 120 Hz 95 Hz – 125 Hz
Battery type	6 alkaline LR6 “AA”
Battery life	18 hours, 68° F (20° C)
Battery status	Continuous indication
Power save function	Automatically powers off after 5 minutes of inactivity
Visual indication	LCD: bar graph, digital number and character
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% 16.5' (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" x 5.1" x 10.6" (66 cm x 13 cm x 26.9 cm)
Weight	4.7 lb approx. (2.1 kg) including 6 batteries

**Locators are tested in the model field conditions with no adjacent signals. Always excavate the line with non-destructive means before digging. Optional cable is necessary to read the logging data.

TRANSMITTER (TX) SPECIFICATIONS

Output frequencies	38 kHz: 38 kHz ± 0.02% (Standard frequency) 9.5 kHz: 9.5 kHz ± 0.02% 80 kHz: 78.125 kHz ± 0.02% 512 Hz: 512 Hz ± 0.02% (Direct connect only) Dual 9.5 kHz and 38 kHz ± 0.02% (Direct connect only)
Output power	5 W maximum/80 kHz: 1 W maximum
Operating modes	Direct connection mode, inductive mode External coil mode (optional)
Battery type	8 alkaline LR20 “D”
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
Operating temp.	-4° F – 122° F (-20° C – 50° C)
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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Hard case package with inductive clamp, direct connection leads, ground probe and A-Frame – PN C903326H
Soft case package with inductive clamp, direct connection leads, ground probe and A-Frame – PN C903326
A-Frame only – PN C900315