

# VISION LX

Digital Locator

## PRECISION MADE SIMPLE

Operator-friendly interface helps  
ensure accuracy



**McLAUGHLIN**

Providing Solutions Since 1921

# VISION<sup>LX</sup>

## Digital Locator



### 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

<b>Passive radio</b>	RAD: 9 kHz – 33 kHz (80 bands)
<b>Passive power</b>	50 Hz – 60 Hz 100 Hz – 120 Hz
<b>Battery type</b>	6 alkaline LR6 “AA”
<b>Battery life</b>	18 hours, 68° F (20° C)
<b>Battery status</b>	Continuous indication
<b>Power save function</b>	Automatically powers off after 5 minutes of inactivity
<b>Visual indication</b>	LCD: bar graph, digital number and character
<b>Depth display range</b>	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)
<b>Depth readout unit</b>	Feet and inches/Meters

<b>Depth accuracy**</b>	6.5' (2 m): ± 2.5% 10' (3 m): ± 5% 16.5' (5 m): ± 10%
<b>Current value</b>	Current value flowing on the conductor is displayed for line identity in milliamperes
<b>Audio output</b>	Internal speaker with sound volume adjusting function, earphone (optional)
<b>Data logging</b>	Memorized 400 points of the depth/current measurement/date and time data
<b>Interface</b>	6-pin connector
<b>Operating temp.</b>	-4° F – 122° F (-20° C – 50° C)
<b>Dimensions</b>	26" x 5.1" x 10.6" (66 cm x 13 cm x 26.9 cm)
<b>Weight</b>	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

<b>Output frequencies</b>	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)
<b>Output power</b>	5 W maximum/80 kHz: 1 W maximum
<b>Operating modes</b>	Direct connection mode, inductive mode External coil mode (optional)
<b>Battery type</b>	8 alkaline LR20 “D”
<b>Battery life</b>	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)

<b>Battery status</b>	Low battery indication and press key readout
<b>Visual indication</b>	LCD: bar graph and digital number
<b>Audio indication</b>	Internal speaker: alarm, beeping sounds
<b>Measuring function</b>	Output current: 0 mA – 300 mA Line voltage: 0 V – 250 V
<b>Output protection</b>	AC 250 V (512 Hz/640 Hz): output is cut off automatically
<b>Operating temp.</b>	-4° F – 122° F (-20° C – 50° C)
<b>Dimensions</b>	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)
<b>Weight</b>	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 – PN C110150H  
Soft case package with inductive clamp, direct connection leads, ground probe – PN C110150