

PL-VF10R PIPE & CABLE LOCATOR

Li-Ion Rechargeable Batteries

INCLUDES

- PL-VF Receiver 1
- PL-VF10 Transmitter 2
- Direct connection Cord 3
- Ground Rod 4
- Protective Carrying Case 5
- Rechargeable Lithium Batts. 6
- User Manual 7



PL-VF10R DESCRIPTION

Simple, accurate and affordable, the PL-VF10R Locating System will meet the demands of any locate task. This locator is designed for the locating professional, but it is simple enough to be used by anyone needing to locate.

The PL-VF10R Locating System is adaptable; frequencies and operational modes may be added or deleted on demand to suit the user's locating needs.

Our innovative technology creates a remote link between the transmitter and receiver. Users can control the transmitter's output power and frequency right from the hand-held receiver, eliminating the back and forth walking between devices.

A large, high-contrast LCD offers clearly visible signal response in any lighting. Automatic depth, automatic current, and proximal directional arrows are readable in the brightest sunshine or back-lit for viewing in dimmer conditions.

Whether the locate is measured in feet or miles, 5* or 10* watts of power and automatic impedance matching from 5 ohms to 25,000 ohms, ensures adequate signal. The PL-VF10R Locating System is a must have for anyone needing a simple and accurate locator.

Standard Frequencies:

512 Hz, 815 Hz, 8kHz, 33kHz, 65kHz, 82kHz, 200kHz and 480kHz.



FEATURES

- Three button keypad simplifies the user interface
- 8 Locating Modes: the multi-channel processor allows for simultaneous field detection from a multiple antenna array ensuring accuracy
- Transmits 2 frequencies at the same time
- Customizable frequencies and operational modes
- Automatic Impedance Matching Technology: maximizes your transmission range while minimizing power consumption
- Remotely controls your transmitter from the receiver to more than 400 meters (437 yards)
- High-Contrast LCD Interface with Back light: guides the operator to the target location by providing all relevant data including continuous depth, current measurement, signal strength, and directional arrows
- Constant Depth & Current Measurement: real time updates on line depth and signal condition
- Convenient 6 lbs total weight with Li-Ion batteries
- 1-4 year warranty. Warranty extends to 4 years when registered within 30 days of original purchase
- Made in the USA



Soft Padded
Carrying Case

Rev. 06/17/2021



SubSurface Instruments, Inc | 1230 Flightway Drive, De Pere, WI. 54115
toll free: 855.422.6346 | Website: www.ssilocators.com | email: info@ssilocators.com



SPECIFICATIONS

RECEIVER

Operating Frequencies: 480kHz, 200kHz, 131kHz, 82.315kHz, 65.536kHz, 32.768kHz, 8.192kHz, 4.010kHz, 815Hz, 797Hz, 640Hz & 512Hz

Sonde: 640Hz, 512Hz, 815Hz, 8.192 kHz & 32.768kHz

Passive Power modes: 50env & 60env, Radio Frequency; Rectified CP 50Hz & Rectified CP 60Hz

Antenna Mode: Simultaneous peak/null (dual horizontal antennas & vertical antenna), pin-point peak (dual horizontal antennas), directional guidance, peak (single horizontal antenna) & null (single vertical antenna)

Display: Indicators back-lit segmented LCD bar graph, battery condition, continuous mode signal strength, depth measurement, line orientation, left/right line guidance, operating mode, volume level & function indicators

Audio Indication Variable pitch & Live Sound. 4 volume selections including mute.

Current measurement display indicates relative current

Power Source: Lithium Ion rechargeable battery

Battery Life: Continuous: 30h. Intermittent: 82h.

Signal Strength: LCD bar graph, absolute signal strength 0-999

Left/Right Gain Control Guidance Mode: Automatic

All other locate modes: Manual gain adjustment & automatic centering

Dynamic Range: 126 dB

Depth Measurement: 3 digit LCD readout of push-button measurement (1 inch - 30 feet) (.02m-10.6m) with accuracy > 5% of depth. (Digital measurement)

Operating Temperature: -4°F to +133°F (-20°C to +55°C)

Ingress Protection Rating: IP65

Dimensions: 30.3" x 9.4" (77cm x 24cm)

Weight: Li-ion Batt.: 4 lbs (1.81 kg)



PL - VF
VARIABLE FREQUENCY RX
RECHARGEABLE BATTERY PLUG

TRANSMITTER

PL - VF10R
10 WATTS TRANSMITTER

Available Operating Frequencies Range from 512Hz to 480kHz

Indicators AC load assistance measurement, relative ohms, voltage, live voltage output, current output, power level, frequency, mode, battery indication alert, low battery indicator audio/visual with modulated low battery warning transmitted to receiver.



Load Matching Automatic from 5 ohms to 25,000 Ω

Output Power 10 power settings Low & Medium Frequency Range: 0.2w to 10w High

Frequencies (above 44kHz) : 0.2 to 1w

Power Source Rechargeable: 10.8 V, 10 amp-hour maintenance free Lithium Ion Battery

Battery Life Continuous: 8-20 hours (depending on load, frequency, power setting) Intermittent: 40-60 hours

Operating Temperature -4° F to 133° F (-20° C to 55° C)

Ingress Protection Rating IP65

Dimensions 16" x 6.32" x 6" (41 cm x 16 cm x 15 cm)

Weight Rechargeable: 6 lbs (2.7 kg); D-cell: 8 lbs (3.6 kg)

OPTIONAL ACCESSORIES



WIRELESS INDUCTIVE CLAMP

Self-contained, stand-alone, transmitting inductive coupler. 3 frequencies, High & Low Power Outputs, rechargeable batteries.



A-FRAME

Works Independent from the receiver. Detects core-to-ground faults & sheath-to-ground faults.



INDUCTIVE COUPLER 4" I.D.

Apply signal to live cables. 4" I.D. - Operational Frequency Range 8kHz to 82 kHz.

