



**SubSurface Instruments Inc.**

## **Model PL-2000 Multi-Frequency Pipe & Cable Locator**

*Discover high-power, low-frequency locating*

The SubSurface PL-2000 Metal Pipe and Cable Locator offers a new approach in high power, low frequency locating. With 3 active frequencies, 2 passive frequencies, 4 modes of operation, and both inductive and conductive connection capabilities, the PL-2000 is powerful and versatile, but still surprisingly easy to use.



**Direct Connection Mode  
at 8 kHz with 3.0 Watts Power**



# PL-2000 Multi-Frequency Pipe & Cable Locator



## Standard Items

- ① Transmitter with LCD Display and Switches
- ② Receiver with LCD Display and Controls
- ③ Direct Connection Cables and Clamps
- ④ Ground Stake (use with ③)
- ⑤ Operating Instructions & Quick Ref. Guide (not shown)
- ⑥ Padded Carrying Case

## Optional Accessories (Not Shown)

- ⑦ Inductive Clamp/Cables
- ⑧ Cable Drum with 50 yards cable (for Loop Method)
- ⑨ 12v Battery Cables & Clamps
- ⑩ 8.125 kHz Sonde (for sewers)
- ⑪ 512 Hz Bendie Sonde

## Features

- The PL-2000 Transmitter offers 3.0 watts power output in the Direct Connection operating mode, allowing locates for much longer distances than the lower powers typical in other transmitters.
- The light-weight, balanced PL-2000 Receiver offers 4 different operating modes: **"Peak" mode**, for the most accurate locates and for depth measurement; **"Null" mode**, for fast, easy tracking; **"Dist" mode**, for even longer distances; **"Sonde" mode**, for locating sewer sondes and measuring their depths.
- The PL-2000 has 3 "active" frequencies at 512 Hz, 8.125 kHz, and 26.725 kHz; plus 2 "passive" frequencies at 50/60 Hz (current flowing A/C) and Radio (15 kHz–25 kHz).
- Simultaneously transmit both 8.125 kHz and 26.725 kHz in the "Mix" mode in the Transmitter.
- Detects poor "ground" conductivity at the Transmitter in the Direct Connection operating mode.
- Current measurement in the depth function indicates if the measured depths are correct for congested utilities.
- "Auto Off" functions in both the Transmitter and Receiver shut off their operations after a set time period if they are accidentally left "On."

## Specifications

### Transmitter:

- Frequency : 26.725 kHz, 8.125 kHz, and 512 Hz
- Output Power : .5 watts Inductive mode, 3.0 watts Direct mode
- Transmitting Mode : Continuous Wave (non-modulating)
- Antenna : Single Coil Antenna
- Power Supply : DC 12 Volts (8 "D" size batteries or external 12v battery)
- Battery Life : 20 Hours Typical (Alkaline) 8 Hours at Max Power
- Weight : 5.5 lb.
- Size : 11 inches by 9.5 inches by 4.1 inches

### Receiver:

- Frequency : 26.725 kHz, 8.125 kHz, and 512 Hz  
"Radio" Mode: 15 kHz - 25 kHz  
"Live Cable" Mode: 50/60 Hz AC
- Operating Modes : "Peak", "Null", "Dist", and "Sonde"
- Power Supply : DC 9 Volts (6 "A" size batteries)
- Battery Life : 8 Hours Continuous (Alkaline)
- Operating Temperature : minus 10 C to 50 C
- Weight : 4.4 lb.
- Size : 5.2 inches by 11 inches by 24 inches

Distributed by:



1841-C Plane Park Drive  
De Pere, WI 54115 USA  
www.ssilocators.com

(855) 422-6346 toll free  
(920) 347-1791 fax  
info@ssilocators.com

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