



PATHFINDER PLS KIT



PATHFINDER RECEIVER

Precision locating receiver offering multiple active & passive frequencies, multiple locate modes, constant depth readout and current measurement. Standard package equipped with lithium ion rechargeable batteries and interchangeable c-cell tray.



PATHFINDER TRANSMITTER

10-watt transmitter capable of direct connection, transmitter induction and coupler induction. Standard with lithium ion rechargeable batteries and interchangeable d-cell tray.



DIRECT CONNECTION CORD

Direct connection lead clips, each with 15 foot of reach.



GROUND ROD

Ground rod for near end independent ground



PROTECTIVE CARRYING CASE

A heavily padded protective case for equipment during transport and use. Separate padded cases for transmitter and receiver



MANUAL

Operations manual



Six C-cell batteries and Twelve D-cell batteries included for immediate use



AC & DC BATTERY CHARGERS

Battery chargers for use in ac wall outlet as well as a dc charger for use in a cars 12 volt auxiliary

COMMON OPTIONAL ACCESSORIES



INDUCTIVE COUPLER 4" I.D.

P# 100-00398-00 4" I.D. inductive coupler used to apply signal on live cables when direct connection is not possible. Operational frequency range 8kHz to 82kHz.



INDUCTIVE FLEXI-COUPLER 7" I.D.

P# 100-00245-00 Flexible coupler with 7" I.D. applies signal on cables when direct connection is not possible. Dual frequency (82kHz &

815Hz)

CABLE & PAIR IDENTIFIER

P# 120-00300-00

Used to identify the target cable at the open far end. Used to ensure correct tagging or providing an independent far end ground.



STAFF A-FRAME

P# 001-00487-00

Stand alone a-frame works independently from the receiver. This directional ground fault detector pinpoints core-to-ground faults and sheath-to-ground faults.



GROUND CONNECTION EXTENSION KIT

P# 151-00494-25

Two 25ft cords and 2 ground rods for reaching desired grounding location



SONDE [AVAILABLE IN 512Hz, 640Hz, 815Hz, 8KHz & 33KHz]

P# 100-00281-01

Self contained signal transmitter with 25 foot range can be used in non-pressurized conduits and pipes to track path and pinpoint blockages.



EXTERNAL PROBE

P# 001-00119-00

The external antenna aids in cable identification, underwater locating and signal reception when the receiver can not fit.



Exploring Coil

P# 151-00066-00

The exploring coil for locating wiring within walls and cables within cable bundles



HEADPHONE

P# 743-00013-00

Mono jack headphone aids when working with background noise





Built with Pathfinder SAF Technology™ at its core, the Pathfinder Precision Locating System from Rycom Instruments, Inc., is ideal for congested locates in crowded easements, long runs of pipe and cable, as well as basic service drops. This simple, accurate and affordable locator is designed for those committed to protecting buried infrastructure.

Engineered with our signature FrequencyFlex[™], the Pathfinder Precision Locating System allows users to adapt the available frequencies to their specific needs. Frequencies can be added or deleted on demand to suit the user's locating needs.

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

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 backlit for viewing in dimmer conditions.

Whether the locate is measured in feet or miles, 10 watts of power and automatic impedance matching from 5 ohm to 25,000 ohms, ensures adequate signal application. The Pathfinder Precision Locating System is a must have for any damage prevention specialist.

FEATURES

- FrequencyFlex[™]: offers 1000+ programmable frequencies crafted to individual locating requirements. FrequencyFlex[™] allows push-button field customization at the job site.
- 8 Locating Modes: the multi-channel processor allows for simultaneous field detection from a multiple antenna array ensuring accuracy
- PathTraq[™] Mobile Application: downloaded to your phone, Rycom's PathTraq[™] is a GPS & Data Logger application to provide real-time coordinate logging of field locations
- Automatic Impedance Matching Technology: maximizes your transmission range while minimizing power consumption
- PathLink[™] Technology: remotely controls your transmitter from the receiver to more than 400 yards
- High-Contrast LCD Interface with Backlight: 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
- 84 wH Lithium-Ion Batteries: lighter weight design and longer operating life
- 4-year warranty: registration extends warranty to 4 years.
- Made in the USA since 1946: engineered in our Raytown, MO headquarters for more than 70 years



RECEIVER SPECIFICATIONS

Antenna Mode

760 Hz, 640 Hz, 577 Hz, 570 Hz, 512 Hz, 273 Hz, 256 Hz, & 200 Hz

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

Passive: Power modes 50^{env} & 60^{env}z, 50Hz, 150Hz, 250Hz, 350Hz, 450Hz, 60Hz, 180Hz, 300Hz, 420Hz, 540Hz; \text{ \text{ine}} Sound; Radio Frequency; Rectified CP 50Hz & Rectified CP 60Hz

horizontal antennas), directional guidance, peak (single horizontal antenna) & null (single

vertical antenna).

vertical antenna).

Backlit 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 & LiveSound. 4 volume selections including mute.

Signal StrengthLCD bar graph, absolute signal strength 0-999

Gain ControlLeft/Right Guidance Mode: Automatic

Manual gain adjustment & automatic centering All other locate modes:

Dynamic Range126 dB

Depth MeasurementDIGITAL: 3 digit LCD readout of push-button measurement (1 inch to 30 feet)

(.02m-10.6m) with accuracy > 5% of depth.
MANUAL: 45° triangulation method

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

Ingress Protection Rating......IP65

WeightRechargeable: 4.2 lbs (1.9 kg); C-cell:

TRANSMITTER SPECIFICATIONS

kHz, 877 Hz, 815Hz, 640 Hz & 512 Hz;

power level, frequency, mode, batte<mark>ry indic</mark>ation alert, low battery indicator audio/visual with

modulated low battery warning transmitted to receiver.

: 0.2 to 1w

Non-Rechargeable: 12 "D" cell batteries

Intermittent: 40-60 hours

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

WARRANTY

....... 60 Month (5 Years) Warranty when registered at htt<mark>p://ww</mark>w.rycominstruments.com/extended.html within .60 Month (5 Years) Warranty when registered at http://www.rycominstruments.com/extended.html within 1 month of date of purchase. Warranty from date of delivery against defects in material and workmanship (EXCEPT BATTERIES) on all instruments. This warranty is void if, after having received the instrument in good condition, it is subjected to abuse, unauthorized alteration or casual repair. We will repair or replace products that prove to be defective during warranty period. NO OTHER WARRANTY IS EXPRESSED OR IMPLIED. THE WARRANTY DESCRIBED IN THIS PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. WE ARE NOT LIABLE FOR CONSEQUENTIAL DAMAGES.

Terms: Net 30 days, Missouri sales tax charged where applicable.

Shinning & Delivery: All orders are FOR Raytown. MO

Shipping & Delivery: All orders are FOB Raytown, MO.

Country of Origin......United States of America

Manufactured By.



PYCOM 9351 East 59th Street • Raytown, MO 64133-3895, USA 800-851-7347 • 816-353-2100 • FAX 816-353-5050 rycom@rycominstruments.com • www.rycominstruments.com