

pathfinder

PRECISION LOCATING SYSTEM



RYCOM
instruments, inc.

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



PATHFINDER PLS Kit & ACCESSORIES

OPTIONAL ACCESSORIES



PATHFINDER RECEIVER

Multiple active & passive frequency receiver with depth & current measurement



PATHFINDER TRANSMITTER

10 watt transmitter with disposable D-cell or rechargeable batteries capable of direct connection, transmitter induction and coupler induction



DIRECT CONNECTION CORD

Direct connection cords with 15ft reach



GROUND ROD

Ground rod for near end independent ground



CARRYING CASE

Separate padded cases for transmitter and receiver



MANUAL

Operations manual



BATTERIES

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



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.



GROUND CONNECTION EXTENSION KIT

P# 151-00080-00

Two 15ft 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



PROTECTIVE CARRYING CASE

P# 230-00080-00

A heavily padded protective case for equipment during transport and use



HEADPHONE

P# 743-00013-00

Mono jack headphone aids when working with background noise

SPECIFICATIONS

RECEIVER SPECIFICATIONS

Available Operating Frequencies:

476.527 kHz*, 200.330 kHz*, 117.850 kHz, 82.315 kHz, 65.536 kHz, 32.768 kHz, 8.192 kHz, 1.0 kHz, 877 Hz, 815Hz, 640 Hz & 512 Hz
Sonde: 640Hz, 512Hz 8 & 32.768kHz

Passive: 50Hz & 60Hz Live Sound; RadioFrequency & Rectified CP

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:

Backlit segmented LCD bar graph, battery condition, continuous mode signal strength, depth measurement, line orientation, left/right line guidance, operating mode, volume level and function indicators

Audio Indication:

Variable pitch & LiveSound. 4 volume selections including mute.

Current Measurement:

Display indicates relative current

Power Source:

6 "C" cell batteries

Battery Life:

Continuous: 30 hours intermittent: 82 hours

Signal Strength:

LCD bar graph, absolute signal strength 0-999

Gain Control:

Manual gain adjustment & automatic centering

Dynamic Range:

126 dB

Depth Measurement:

DIGITAL: 3 digit LCD readout of push-button measurement range 1inch 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)

Size:

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

Weight:

3 lbs (1.3 kg)

TRANSMITTER SPECIFICATIONS

Available Operating Frequencies:

476.527 kHz*, 200.330 kHz*, 117.850 kHz, 82.315 kHz, 65.536 kHz, 32.768 kHz, 8.192 kHz, 1.0 kHz, 877 Hz, 815Hz, 640 Hz & 512 Hz;

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:

12 V, 7 amp-hour maintenance free sealed lead acid battery
12 "D" cell batteries

Battery Life:

(dependant on load, frequency, power setting)
Continuous: 8-20 hours; Intermittent: 40-60 hours

Operating Temperature:

-4° F to 133° F (-20° C to 55° C)

Size:

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

Weight:

Rechargeable: 12.5 lbs (5 kg) 8 lbs (3.6 kg)

FEATURES

Built on a proven design, and with Pathfinder SAF Technology™ at its core, the **PATHFINDER PLS** offers RYCOM's most advanced signal acquisition and filtering technology. The **PATHFINDER PLS** Series offers FrequencyFlex™ allowing users to adapt the system to their specific needs. From crowded easements to long runs of pipe and cable, the **PATHFINDER PLS** is a dependable locate package. The lightweight and well balanced receiver provides both relative and actual signal strength. Signal response is indicated by LCD and via variable audio pitch. Push-button depth and current measurement along with four signal response modes – peak, pinpoint peak, directional and null – allow the user to minimize interference and maintain the locate on the target conductor. Whether the locate is measured in feet or miles, with 10 watts of power and automatic impedance matching from 5 ohm to 25,000 ohms, the 8879v4 will meet the challenge. Rycom Instruments®, Inc. locators are designed and manufactured to make utility locating as accurate as you need and as simple as you want. For more information on the 8879v4, or any other Rycom Instruments® product, please call us toll free at 1-800-851-7347 or visit us online at www.rycominstruments.com.





WARRANTY

WARRANTY: 12 Month 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. Shipping & Delivery: All orders are FOB Raytown, MO. Specifications subject to change without prior notice.

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