

## Simple Accurate Affordable

RYCOM equipment is well known for ease of operation while still providing all the features necessary to meet the challenges of the toughest locate. RYCOM Instruments understands the needs of our customers and the demands in the field. Designed and proven to be dependable for years of reliable field service, RYCOM equipment not only provides up-front cost savings, but also low ownership cost over the product's life.



## **8869** v<sup>3</sup> Pathfinder Locating System

THE **8869V<sup>3</sup>** is a proven instrument for locating utilities within the most demanding of locating environments. From crowded easements to long runs of pipe the **8869V<sup>3</sup>** PATHFINDER is a dependable and economical locate package. The ergonomically designed and balanced **8869V<sup>3</sup>** receiver provides proximity cues (signal response) by relative and actual signal strength and 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. The **8869V<sup>3</sup>** Series offers FrequencyFlex™ allowing users to adapt the system to their specific needs, ensuring flexibility to match the needs of the most demanding locate environments. Transmitter functions include transmitter induction, coupler induction and direct connection. Whether the locate is measured in feet or miles, with automatic impedance matching from 5 ohm to 25,000 ohms, the **8869V<sup>3</sup>** 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 **8869** PATHFINDER, or any other RYCOM INSTRUMENTS® product, please call us toll free at 1-800-851-7347 or visit us online at [www.rycominstruments.com](http://www.rycominstruments.com).



# V<sup>3</sup> Pathfinder Locating System

Part Number 001-00491-00

## 8869 KIT & ACCESSORIES



### 8869 RECEIVER

Multiple active & passive frequency receiver with depth & current measurement



### 8869 TRANSMITTER

3 watt transmitter with disposable C-cell batteries capable of direct connection, transmitter induction and coupler induction



### DIRECT CONNECTION CORD

Direct connection cords with 20ft reach



### GROUND ROD

Ground rod for near end independent ground



### CARRYING CASE

Separate padded cases for transmitter and receiver



### MANUAL & DVD

Operations manual and Locator Theory DVD.



### BATTERIES

Six C-cell batteries and 8 D-cell batteries included for immediate use.

## 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# 100-00272-00

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

## 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.

## SPECIFICATIONS

### RECEIVER

#### Common Operating Frequencies:

480kHz\*, 200kHz\*, 118kHz, 82kHz, 65kHz, 33kHz, 8kHz & 815Hz

Sonde: 640Hz, 512Hz & 33kHz

Passive: 50 & 60Hz; RF & CP

#### Antenna Mode:

Simultaneous peak/null, pin-point peak, directional guidance & null

#### Display Indicators:

Backlit LCD bar graph, low battery, signal strength, mode and function indicators

#### Audio Indication:

Variable pitch response

#### Current Measurement:

Display indicates relative current

#### Power Source:

6 "C" cell batteries

#### Battery Life:

Continuous: 40 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:

Push-button to 15' & 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

#### Common Operating Frequencies:

480kHz\*, 200kHz\*, 118kHz, 82kHz, 65kHz, 33kHz, 8kHz & 815Hz

#### Indicators:

AC load assistance measurement, low battery indicator with modulated low battery warning

#### Load Matching:

Automatic from 5 ohms to 25,000 Ω

#### Output Power: 3 power settings

Frequency	Low	High
Low Range	0.2 W	3 W
Med Range	0.2 W	3 W
High Range	0.2 W	1 W

#### Power Source:

8 "C" cell batteries

#### Battery Life:

(dependant on load, frequency, power setting)  
Continuous: 8-15 hours; Intermittent: 40-60 hours

#### Operating Temperature:

-4° F to 133° F (-20° C to 55° C)

#### Size:

8.5" x 5.8" x 2.5" (21 cm x 15 cm x 6 cm)

#### Weight:

2.2 lbs (1 kg)