

Simple Accurate Affordable

RYCOM Instruments understands the needs of our customers and the demands in the field. Our equipment does more than provide ease of operation, it is designed with all the features needed for the toughest locates. Proven to be dependable for years of reliable field service, RYCOM equipment not only provides up-front cost savings, but also low ownership cost for the life of the products.



8869 Pathfinder Locating System

The 8869 Pathfinder is a proven instrument for locating utilities within the most demanding of locating environments. From crowded easements to long runs of pipe, the 8869 Pathfinder is a dependable and economical locate package. The ergonomically designed and balanced 8869 receiver provides proximity cues (signal response) by relative and actual signal strength and variable audio pitch. Push-button depth and current measurement along with three signal response modes – peak, pinpoint peak and null – allow the user to minimize interference and maintain the locate on the target conductor. The 8869 Pathfinder cable and pipe locator offers four active frequencies – 815 Hz, 8 kHz, 33kHz and 82 kHz – ensuring flexibility to match the needs of the most complicated locating 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 8869 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.



Pathfinder Locating System

Part Number 001-00324-00

8869 KIT & ACCESSORIES



8869 RECEIVER

4 active & 2 passive frequency receiver with digital depth & current measurement



8869 TRANSMITTER

1 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



2x GROUND ROD

Two ground rods for both a near end and a far 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.

4" I.D. inductive coupler used to apply signal on live cables when direct connection is not possible. Available in 82kHz or dual frequency (82kHz & 8kHz).



INDUCTIVE COUPLER 3" I.D.

3" I.D. 82kHz coupler to apply signal when direct connection is not possible



INDUCTIVE FLEXI-COUPLER 7" I.D.

Flexible coupler with 7" I.D. applies signal on cables when direct connection is not possible. Dual frequency (82kHz & 815Hz)



SONDE

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



CABLE & PAIR IDENTIFIER

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



EXTERNAL PROBE

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



EXPLORING COIL

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



GROUND CONNECTION EXTENSION KIT

Two 15ft cords and ground rods for reaching desired grounding location



PROTECTIVE CARRYING CASE

A heavily padded protective case for equipment during transport and use



HEADPHONE

Mono jack headphone aid when audio cues must compete with background noise

WARRANTY

WARRANTY: 18 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

Operating Frequency:

82 kHz, 33kHz, 8kHz, 815Hz, 50/60Hz, RF/CP

Antenna Mode:

Peak, pin-point peak, and 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

Operating Frequencies:

82 kHz, 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 ohms

Output Power:

Frequency	Normal	High
815 Hz	0.6 W	1.0 W
8 kHz	0.6 W	1.0 W
33 kHz	0.6 W	1.0 W
82 kHz	.6 W	1.0 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)



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