

### 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.



**8879**

## Railroad Signal Construction Locating Kit

PACKAGED SPECIFICALLY FOR THE RAILROADS the 8879-RSCL kit is ideal locating within the rail environment. is a proven instrument for locating utilities within the most demanding of locating environments. From crowded easements to long runs of pipe, the 8879-RSCL is a dependable and economical locate package. The ergonomically designed and balanced 8879 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 interferences and maintain the locate on the target conductor. Whether the locate is measured in feet or miles, with automatic impedance matching from 5 ohm to 25,000 ohms, the 8879-RSCL will meet the challenge. The challenges of the rail locate environment can be as simple as coupling to track wire or demanding as identifying the far end of spare wire within the bungalow. The 8879-RSCL package includes necessary tools like the cable identifier and inductive coupler for isolating and grounding target cables ensuring accurate locates within the congested rail right-of-ways. Rycom Instruments<sup>®</sup>, 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 8879-RSCL, or any other Rycom Instruments<sup>®</sup> product, please call us toll free at 1-800-851-7347 or visit us online at [www.rycominstruments.com](http://www.rycominstruments.com).

Proudly Representing Rycom Instruments in the Railroad Industry

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## 8879-RSCL Kit & Accessories



### 8879 RECEIVER

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



### 8879 TRANSMITTER

2.6 watt transmitter with disposable D-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



### 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.



### GROUND CONNECTION EXTENSION KIT

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



### INDUCTIVE COUPLER 3" I.D.

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



### 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 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.



### 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 within cable bundles



### PROTECTIVE CARRYING CASE

A heavily padded protective case for equipment during transport and use



### HEADPHONE

Mono jack headphone aids when working 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:

82kHz, 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, 8 kHz, 815 Hz

#### Indicators:

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

#### Load Matching:

Automatic from 5 ohms to 2000 ohms

#### Output Power:

Frequency	Normal	High
815 Hz	0.6 W	2.6 W
8 kHz	0.6 W	2.6 W
82 kHz	0.2 W	1.0 W
Both (815Hz + 82kHz)	1.2 W	1.33 W
	.06 W	.67 W

#### Power Source:

12 V, 7 amp-hour maintenance free sealed lead acid battery with 120 V AC wall mount charger and DC car charger or 8 "D" cell batteries

#### Battery Life:

Disposable: continuous, 8-15 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: 11.5 lbs (5 kg) 8 lbs (3.6 kg)

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