

8872-1w Sonde, Camera and Utility Locator

Rycom Instruments® makes utility locating as accurate as you need, as simple as you want.

- 2 active frequencies of 512 Hz, 51 kHz, allow accurate tracing in congested areas or the length of a single line
- Powerful 1 watt tracing signal is reliable for direct connection, transmitter and coupled induction
- Single 50/60 Hz frequency locates live utilities without the use of a transmitter
- Backlit digital display for low-light reading
- Triple antennae configuration works in peak or null mode
- Push button depth
- Locate Sondes up to 10 feet in cast iron and 20 feet in the air
- Made in the U.S.A.

The 8872-1w Sonde, camera and utility locator offers two active frequencies – 512 Hz, 51 kHz – ensuring adequate signal is applied to buried utilities in any environment. Using industry standard 512 Hz frequency the 8872-1w traces all Sonde and inspection camera packages operating at this frequency regardless of manufacturer. Multiple active frequencies of the 8872-1w allow the user to accurately locate utilities and metallic pipes with a minimum of “ghosting” to adjacent lines while maintaining the ability continue locating over gaskets and around conduit bends. Passive frequencies identify “live” and charged lines by their naturally occurring electromagnetic fields. The 8872-1w offers one passive frequency of 50/60 Hz – allowing line locating without the use of a transmitter.

Transmitter functions include improved transmitter induction and automatic impedance matching when using direct connection. All functions are accessed via weather-proof membrane buttons and both user input and transmitter status are verified with audible responses. Whether using direct connection, induction mode, or coupler induction the 8872-1w is ideal for all three methods of signal application.

Simple to operate, the ergonomically designed and balanced 8872-1w receiver pinpoints inspection cameras, and Sondes in nonmetallic conduits. A large backlit digital display provides both relative and actual signal strength while a variable tone pitch gives an audio indication to the signal. The triple antennae configuration works in a peak, pin-point peak and null modes and also provides push-button depth accurate up to 15 feet.

Whether locating water lines, sewer lines, inspection cameras, or Sondes, this is an economical and dependable locator for companies of all sizes.

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 8872-SD, or any other Rycom Instruments® product, please call us toll free at 1-800-851-7347 or visit us online at www.rycominstruments.com.



Each 8872-1w Cable, Pipe, Line and Fault Locator comes complete with a 1 watt transmitter, multi-function digital receiver, red/black connection cords, ground rod, batteries, manual, locating basics video, and carrying case.

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www.rycominstruments.com
Accurate Utility Locating Made Simple

8872-1w Specifications

Transmitter

Tone Frequency: 512 Hz, 51 kHz

Hook-up Connection: Direct connection, transmitter inductive coupling, coupled induction

Load Matching: Automatic from 5 ohms to 2000 ohms

Output Power:	Frequency	Normal	High
	512 Hz	.5 W	1.0 W
	51 kHz	.5 W	1.0 W

Max Open Circuit Voltage: 30 V PK-PK AC

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

Power Source: 8 "C" batteries

Battery Life: Greater than 36 hours

Size: Transmitter 8.5" x 5.8" x 2.5" (21 cm x 15 cm x 6 cm)

Weight: 2.2 lbs (1 kg)

Receiver

Input Frequency: 512 Hz, 51 kHz, 50/60 Hz

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: Disposable: 6 "C" batteries

Battery Life: Continuous: 40 hours intermittent: 82 hours

Signal Strength: LCD bar graph, absolute signal strength readout

Gain Control: Up/down for automatic centering and manual

Dynamic Range: 126 dB

Depth Measurement: Push-button readout to 15 feet or manual 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 (1.36 kg)



WARRANTY: One-year 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.

RYCOM Instruments®, Inc. is a leading manufacturer and global supplier of cable, pipe and fault locating equipment. Established in 1946, RYCOM Instruments® Inc. maintains a state-of-the-art production facility and engineering department. Our guarantee is to deliver our customers a superior product and the locating equipment they need.

RYCOM Instruments®, Inc. locating devices are designed and manufactured to make utility locating as accurate as you need, and as simple as you want.



9351 East 59th Street • Raytown, MO 64133-3895, USA

800-851-7347 • 816-353-2100 • FAX 816-353-5050

E-mail: rycom@rycominstruments.com

www.rycominstruments.com

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