

8831 Cable, Pipe, Line and Fault Locator

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

- 1 active frequency: 815 Hz
- 1 passive frequency: 50/60 Hz
- Powerful 3 watt tracing signal is reliable for direct connection, transmitter and coupled induction
- Fault finding capable when used with the optional A-frame
- Choose rechargeable 12 volt sealed lead acid battery or dual 6 volt lantern pack
- Made in the U.S.A.

The 8831 cable, pipe, line and fault locator is a rugged active and passive locator designed to last through years of tough field use. A pioneer in low frequency locators, Rycom Instruments®, Inc. has long believed the best combination for accurate locating is a low frequency signal applied via a direct connection. Low frequency electromagnetic fields generated by the 8831 are virtually confined to their conductor, greatly reducing the risk of interference and ghosting in crowded areas. Under ideal conditions, the powerful 8831 can trace a line for up to 25 miles. This saves you time and money by reducing the need to repeatedly relocate the transmitter.

Set up is quick and easy. In one step, the transmitter power can be matched to the resistance of the cable or pipe being traced and verified via the meter. Connect the 37" receiver probe to the highly sensitive receiver and follow the audio and visual cues to trace the line.

The receiver alerts the user to the underground electromagnetic field with audible tones and a large easy to read meter. A 45° bubble on the receiver probe helps with precise depth measurements using the triangulation method. Attach an optional "A-frame" ground return probe to the receiver, and the 8831 becomes a fault locator. The 8831 transmitter case is also a convenient storage compartment that is big enough to carry the receiver, headset, test cords, ground rod and even an optional Flexicoupler.

Work the way you want using the AM/FM/OFF switch to determine how the audio will be heard. The AM (amplitude modulation) setting creates a loud-to-soft tone while the FM (frequency modulation) setting creates a low-to-high pitch change through the speaker. Plug in the headset to block out traffic and noise interference to precisely work the area for the most accurate locate possible.

Whether locating telephone pairs, gas transmission lines, gas service, CATV drops, water pipes, or power cables, the 8831 is an economical and dependable solution 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 8831, 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 8831 comes complete with a 3 watt transmitter, receiver, red and black couplers, ground rod, red/black test leads and operation manual.

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instruments, inc.

www.rycominstruments.com
Accurate Utility Locating Made Simple

8831 Specifications

Transmitter

Tone Frequency: 815Hz

Tone Identifier Modulation Rate: 3.2 ticks/sec

Output Power: 3 watt

Max Open Circuit Voltage: 400 V PK-PK AC

Power Source: 12 volt, 7 amp hour sealed lead acid rechargeable battery or dual 6 volt lantern cells

Operating Temperature: 14° F to 131° F (-10° C to 55° C)

Size: 10.75" x 8" x 7.2" (27 cm x 20 cm x 18 cm)

Weight: Rechargeable: 12.5 lbs (5.67 kg)
Dual lantern: 9.3 lbs (4.22 kg)



Receiver

Input Frequency: 815 Hz, 50/60 cycle

Gain Control: 120 dB minimum

Speaker Output: FM-frequency range 500 Hz to 5,000 Hz, typical. AM-frequency range 2,500 Hz internally adjustable

Filter Rejection: Greater than 95 dB at 540 Hz, greater than 100 dB at 60 Hz

Power Source: 4- 1.5 volt "C" cell

Depth Measurement: Manual triangulation method

Operating Temperature: 14° F to 131° F (-10° C to 55° C)

Size: 5.6" x 5.3" x 3.3" (14 cm x 13 cm x 8 cm)

Weight: 2.2 lbs (1 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.

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