8869-RF Cable, Pipe, Line and Fault Locator

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

- **2 passive frequencies of 50/60 cycles and RF (radio frequency) locate live utilities without the use of a transmitter**
- **3 active frequencies of 815 Hz, 8 kHz and 82 kHz allow accurate tracing in congested areas or the length a single line**
- **Powerful 1 watt tracing signal is reliable for direct connection, transmitter and coupled induction**
- **Backlit digital display for low-light reading**
- **Triple antennae with push button depth and current measurement**
- **Weather proof membrane buttons**
- **Push button depth**
- **Made in the U.S.A.**

The 8869-RF cable, pipe, line and fault locator offers three active frequencies – 815 Hz, 8 kHz, and 82 kHz – ensuring adequate signal is applied to buried utilities in any environment. Multiple active frequencies allow the user to accurately locate with a minimum of "ghosting" to adjacent lines while maintaining the ability continue locating past faults and poor utility conductors. Passive frequencies identify "live" and charged lines by their naturally occurring electromagnetic fields. The 8869-RF offers two passive frequencies – 50/60 cycles and RF (radio frequency)– 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 8869-RF is ideal for all three methods of signal application.

The ergonomically designed and balanced 8869-RF receiver provides instant push-button depth up to 15 feet and current measurement to identify the target utility in crowded easements. Audible proximity cues to the tracing signal are given to the user through either peak or null tones while the backlit digital display provides both relative and actual signal strength.

The 8869 can quickly and simply locate line faults when used with the optional "A-frame" GRP (ground return probe). As the operator moves towards the fault the receiver will respond with rapidly peaking signal. When the "A-frame" is placed directly over the fault, the receiver will provide a null response.

Conduit pinches can be located using the optional Sonde accessory. Operating on active frequencies of 815 Hz and 8 kHz, Rycom Instruments Sondes are pushed into non-pressurized conduits and pipes until they reach the point of pinch or blockage. Traceable 20 feet in the air and 10 feet in cast iron, the 8869-RF receiver will identify the precise location of the line blockage.

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-RF, 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 8869 Cable, Pipe, Line and Fault Locator comes complete with a 1 watt transmitter, multi-function digital receiver, red/black test leads, ground rod, batteries, manual, locating basics video, and carrying cases.

RYCOM® instruments, inc.

www.rycominstruments.com

Accurate Utility Locating Made Simple

8869-RF Specifications

Transmitter

Tone Frequency: 82 kHz, 8 kHz, 815 Hz

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

Load Matching: Automatic from 5 ohms to 2000 ohms

Output Power:

Frequency	Normal	High
815 Hz	.5 W	1.0 W
8 kHz	.5 W	1.0 W
82 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

Operating Frequency: 82 kHz, 8 kHz, 815 Hz, 50/60 Hz, RF

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.

RYCOM instruments, inc.

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