

# 8856-1w Path Finder II

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

- 2 active frequencies of 815 Hz, and 82 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
- Dual antennas work in peak or null mode
- Compact and ergonomic design works at waist height
- Use with collapsible A-frame for fault finding
- Large easy to read analog signal meter
- Weather and shatter proof
- Made in the U.S.A.

The economical and dependable Path Finder II series rivals any locator at any price. The dual frequency 8856-1w locator can easily locate any metallic service line and the innovative one-piece receiver design is lightweight and accurate. The superior filtering of the 8856-1w receiver easily picks up tracer signals at waist height, thus eliminating the "duck walk."

Simple to operate, the Path Finder II pinpoints underground cables and pipes in either a peak or a null response. An analog meter displays visual signal indication and a variable pitch tone gives the user an audio indication of the signal response.

The 8856-1w transmitter and receiver are both housed in a lightweight and durable carrying case that is built to withstand years of field abuse and transportation. The case also provides ample storage space for extra accessories such as inductive couplers, spare batteries and test leads. This compact design allows the 8856-1w to be easily stowed in utility vehicle storage compartments.

The 8856-1w Path Finder II offers the user two frequencies. The lower frequency 815 Hz is optimal for cable locating and steel or copper pipe locating. This low frequency offers the best locating opportunities with the least probability of false coupling or "bleed off" to adjacent pipes and cables. Low frequency also offers greater locating distance from the transmitter.

The 82 kHz high frequency offers the user three methods of signal application and stronger signal strength over a shorter distance. High frequencies provide the ability for inductive coupling without direct connection. This means a signal can be applied to a cable or pipe by simply placing the transmitter over the target utility or by using an optional coupler accessory which is simply clamped around the target cable. These additional methods of connection are useful when direct connection is impossible.

Whether locating telephone pairs, irrigation control lines, gas services, CATV drops, water pipes, or power cables, the 8856-1w Path Finder II 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 8856-1w, or any other Rycom Instruments® product, please call us toll free at 1-800-851-7347 or visit us online at [www.rycominstruments.com](http://www.rycominstruments.com).



Each 8856-1w comes complete with a 1 watt dual stage transmitter, receiver, red/black test leads, ground rod, locating basics video, manual and carrying case.

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instruments, inc.

[www.rycominstruments.com](http://www.rycominstruments.com)  
**Accurate Utility Locating Made Simple**

# 8856-1w Path Finder II Specifications

## Transmitter

**Tone Frequency:** 815 Hz, 82 kHz

**Signal Application:** Direct connection, transmitter induction, inductive coupling (optional coupler)

**Load Matching:** Automatic from 5 ohms to 2000 ohms

|                      |           |        |      |
|----------------------|-----------|--------|------|
| <b>Output Power:</b> | Frequency | Normal | High |
|                      | 815 Hz    | .5W    | 1.0W |
|                      | 82 kHz    | .5W    | 1.0W |

**Max Open Circuit Voltage:** 30V PK-PK AC

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

**Power Source:** 8 "C" batteries

**Battery Life:** 36 hours

**Size:** Transmitter 8.5" x 5.8" x 2.5" (21 cm x 15 cm x 6 cm)  
Carry case: 17" x 7.5" x 6.5" (43 cm x 19 cm x 16 cm)

**Weight:** 6.2 lbs (2.81 kg)

## Receiver

**Input Frequency:** 815 Hz, 82 kHz

**Noise Rejection:** 116 dB minimum

**Gain Control:** 126 dB minimum

**Audio Indication:** Variable pitch response

**Meter Indication:** Analog; peak or null

**Antenna Mode:** Null vertical coil / peak horizontal coil

**Depth Measurement:** Manual triangulation method

**Power Source:** 8 "AA" batteries

**Battery Life:** Greater than 80 hours

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

**Size:** 13" x 3" x 3" (33 cm x 7 cm x 7 cm)

**Weight:** 1.7 lbs (.77 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.

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

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

E-mail: [rycom@rycominstruments.com](mailto:rycom@rycominstruments.com)

[www.rycominstruments.com](http://www.rycominstruments.com)

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