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pathfinder

# TINDE PRECISION LOCATING SYSTEM

# KIT PART NUMBER 001 00700 00



### PATHFINDER RECEIVER

Precision locating receiver offering multiple active & passive frequencies, multiple locate modes, constant depth readout and current measurement. Standard package equipped with lithium-ion rechargeable batteries.



#### PATHFINDER TRANSMITTER

10-watt transmitter capable of direct connection, transmitter induction & coupler induction. Standard with lithium-ion rechargeable batteries.



#### DIRECT CONNECTION CORD & GROUND ROD Direct connection lead clips, each with 10 foot of reach & Ground rod for near end independent ground

# COMMON OPTIONAL ACCESSORIES



CLAMPMITTER V2.0 WIRELESS COUPLER 4" I.D. P# 100-00398-00 4" I.D. cordless inductive coupler used to apply signal on live cables when direct connection is not possible. Operational frequency 33kHz, 65kHz & 82kHz.



INDUCTIVE COUPLER 4" I.D. P# 100-00398-00 4" I.D. inductive coupler applies signal on live cables when direct connection is not possible. Operational frequency range 8kHz to 82kHz.

INDUCTIVE COUPLER 2" I.D. P# 100-00587-00 2" I.D. inductive couple applies signal on cables when direct connection is not possible. Operational frequency range 8kHz to 82kHz.



GROUNDING EXTENSION KIT P# 151-00494-25 Two 25ft cords and 2 ground rods for reaching desired grounding location



PROTECTIVE CARRYING CASE A heavily padded protective case for equipment during transport and use.



BATTERIES Li-Ion battery packs for both the transmitter and receiver.



AC BATTERY CHARGER Battery chargers for use in ac wall outlet.

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Μανυαι Operations manual



STAFF A-FRAME P# 001-00487-00 Stand alone a-frame works independently from the receiver. This directional ground fault detector pinpoints core-to-ground faults and sheath-to-ground faults.



SONDE [OPTION OF 512Hz, 640Hz, 815Hz, 8KHz OR 33KHz] P# 100-00281-01 Self-contained signal transmitter with 25 foot range can be used in non-pressurized conduits and pipes to track path and pinpoint blockages.



EXPLORING COIL P# 151-00066-00 The exploring coil for locating wiring within walls and cables within cable bundles



12VDC BATTERY CHARGER P# 750-00032-00 DC battery charger for use in a car's 12 volt auxiliary port





# PRECISION AT ITS CORE

The Pathfinder Precision Locating System from Rycom Instruments, Inc. is engineered for unmatched accuracy in today's complex utility environments. Built around our advanced Pathfinder SAF Technology<sup>™</sup>, this system is ideal for challenging conditions—including congested easements, extended utility runs, and essential service drops. Designed with simplicity, precision, and affordability in mind, the Pathfinder is an essential tool for professionals dedicated to safeguarding buried infrastructure.

At the core of Pathfinder is our proprietary FrequencyFlex<sup>™</sup>, offering over 1,000 programmable frequencies. With field-programmable push-button customization, users can instantly tailor frequency settings to match specific locate conditions—adding or removing frequencies as needed.

The optional PathLink<sup>™</sup> Technology revolutionizes efficiency by creating a remote link between transmitter and receiver, allowing you to adjust output power and frequency from the handheld receiver—no need to return to the transmitter.

A high-contrast LCD interface provides real-time signal data in any environment, with automatic depth and current readings and intuitive directional arrows, visible even in direct sunlight or low light

# Features

- FrequencyFlex™
- Over 1,000 field-programmable locating frequencies
- Customization on-site for maximum adaptability
- 8 Locating Modes
  - Multi-channel processor with an advanced antenna array ensures pinpoint accuracy

PathLink<sup>™</sup> Technology (Optional)

- Remotely adjust transmitter power and frequency from up to 400 yards away using the receiver
- Automatic Impedance Matching • Maximizes transmission range while minimizing battery usage
- High-Contrast LCD Interface
  - Displays continuous depth, current, signal strength, and directional guidance in all lighting conditions

# Constant Depth & Current Readout

 Real-time updates for line depth and signal quality during active locates

- 84 wH Lithium-Ion Batteries
  - Lightweight, long-lasting power source for both transmitter and receiver

# 4-Year Warranty

 Extendable with registration, backed by decades of Rycom reliability

# Made in the USA

· Proudly designed and manufactured in Raytown, Missouri, since 1946



**RECEIVER SPECIFICATIONS** Available Operating Frequencies.....

Antenna Mode ...

**Display Indicators** ...

Dynamic Range ....

Operating Temperature ......-4º F to +133º F (-20º C to +55º C) 

TRANSMITTER SPECIFICATIONS Available Operating Frequencies......

#### Indicators .....

Power Source .....

Battery Life ....

Ingress Protection Rating Weight .....

WARRANTY .....

Country of Origin

Manufactured By.....

Simultaneous peak/null (dual horizontal antennas & vertical antenna), pin-point peak (dual horizontal antennas), directional guidance, peak (single horizontal antenna) & null (single vertical antenna).

Backlit segmented LCD bar graph, battery condition, continuous mode signal strength, depth measurement, line orientation, left/right line guidance, operating mode, volume level & function indicators

Current Measurement Display indicates relative current

Gain Control \_\_\_\_\_\_Left/Right Guidance Mode: Automatic \_\_\_\_\_\_ All other locate modes: Manual gain adjustment & automatic centering 126 dB

(.02m-15 m) with accuracy > 5% of depth. MANUAL: 45° triangulation method

Weight Rechargeable: 4.2 lbs (1.9 kg); C-cell: 4.2 lbs (1.9 kg)

476.527 kHz\*, 262 kHz\*, 200.330 kHz\*, 145 kHz, 131 Khz, 117.850 kHz, 116 kHz 93 kHz, 83.00kHz, 82.70kHz, 82.315 kHz, 65.536 kHz, 33.0 kHz, 32.768 kHz, 9.2 kHz, 8.9 kHz,8.4 kHz,8.192 kHz, 4.010 kHz, 1.450 kHz, 1.100 kHz, 1.020 kHz, 1.010 kHz, 940 Hz 920 Hz, 870 Hz, 815 Hz, 797 Hz, 760 Hz, 640 Hz, 577 Hz, 570 Hz, 512 Hz, 273 Hz, 256 Hz, & 200 Hz ("\*" where permitted by law)

AC load assistance measurement, relative ohms, voltage, live voltage output, current output, power level, frequency, mode, battery indication alert, low battery indicator audio/visual with modulated low battery warning transmitted to receiver.

Rechargeable: 10.8 V, 10 amp-hour maintenance free Lithium Ion Battery Non-Rechargeable: 12 "D" cell batteries ......Rechargeable:

> ....Continuous: 8-20 hours (dependant on load, frequency, power setting) Intermittent: 40-60 hours

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

48 Month (4 Years) Warranty when registered at http://www. rycominstruments.com/extended.html within 1 month of date of purchase. 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.

United States of America



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