



THE PINPOINTER

SECONDARY UNDERGROUND FAULT LOCATOR

PINPOINT THE PROBLEM



Unmatched Accuracy

**Quickly locates secondary cable faults in direct buried unshielded cables within inches of the fault*

**Uses a high-voltage pulse and sensitive detection to trace faults, even under snow, frozen ground, driveways, sidewalks, and beneath streets*



Trusted By Utilities and Contractors

**For over 50 years, used by electric utilities, municipalities, PUDs, contractors, solar farms, irrigation systems and more*

**Earth gradient method ignores phantom signals*



Built for the Outdoors

**Proven performance in extreme temperatures and weather conditions with UV-protection for long-term durability*

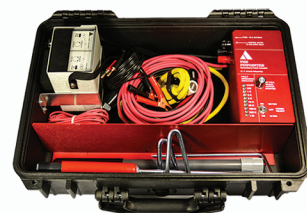
**Rugged, molded construction*

NOW AVAILABLE

***Optional 18V Rechargeable BATTERY ADAPTER**



Tough, protective carrying case with secure locking latches



PART #: HJA-471

SAFETY ★ SERVICE ★ SAVINGS



Arnett Industries

Built on a legacy of innovation and service as a trusted leader in accredited testing services and manufacturing of diagnostic testing equipment for 50+ years.



SCAN TO LEARN MORE



503-692-4600



www.hjarnett.com



information@hjarnett.com



20460 SW Avery Ct
Tualatin, OR 97062



PINPOINTER OPERATION

CAUTION: Always wear approved PPE when working near energized conductors. Never connect the Pinpointer to a live primary cable—this can cause electric shock or damage to the instrument. Only qualified utility personnel should disconnect primary or secondary cables.

De-energize & Disconnect Service

1. Pull all meters connected to the faulted cable, whether it serves one home/multiple homes. Connect Pinpointer to the first affected meter.
2. Check voltage — if cable has 80V+, disconnect from the transformer.
3. Disconnect the neutral at the transformer and the house meter.
4. Remove any temporary service connected to the home.

Transmitter Power Options

1. **120 VAC POWER:** With Transmitter power switch OFF, connect line cord to 120 VAC at a wall outlet.
2. **2-Wire AC Adapter:** Connect at the meter base using the 120 VAC adapter cord. Always connect white wire to neutral first, black wire is connected to 120VAC hot leg.
3. **12V Battery (optional accessory—battery adapter, see fig. 1).** If AC power is not available, connect Pinpointer transmitter using 12V 2-wire cord. This cord allows connection to any 12VDC battery, such as truck or auxiliary battery.

Connecting The Detector

1. Pull the “Balance” control on the back panel to power the Detector. With “Sensitivity” control at minimum, adjust Balance control to move meter needle to center of scale.
2. Push Battery Test button to check battery status.
3. Plug red and black detector probe wires into respective jacks on back detector panel. Clip probe wires to probes (or A-Frame, fig. 2). Hang detector around neck.



A-Frame Adapter (sold separately)

Connecting To The Faulted Cable

1. Connect red Transmitter lead to the black Transmitter lead and power ON the Transmitter. Dial the Transmitter sensitivity until the LED's light up the “SHORT” indication. Power OFF Transmitter.
1. Connect red Transmitter lead to the faulted cable at meter base.
2. Push the ground probe provided into the ground at right angle to the lay of the faulted cable. The ground probe should be placed as far away from the faulted cable as possible.
3. Connect the black Transmitter lead to the ground probe.
4. After making the above connections, turn ON Transmitter high-voltage output.

WHAT'S ALL INCLUDED?



Rugged, Protective Hard Case



fig. 1



Pinpointer Transmitter



The Detector (Front)



The Detector (Back)



12V, 2-Wire Cord



Probe & Cable Package



2-Wire AC Adapter

Locating Faults

1. Stand behind the probes with the red probe facing the Transmitter. When the Transmitter pulses (audible), the detector needle will point toward the buried cable fault.
2. Near the meter riser or ground rod, the detector will show every transmitter pulse. Walk the cable path in a “football-chain” pattern, taking readings every 20–30 feet.
3. As you move along the cable, the needle may drop—this “silent detector” reduces false signals from nearby lines. The needle will rise again as you get close to the fault. Keep probing until the needle swings the opposite way, then turn 90° and repeat to pinpoint the fault.



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