



AQUA-TRONICS

Aqua-Tronics, Inc. fundada en 1967 es ahora un líder en la fabricación de equipos de gran calidad que se utilizan para localizar y resolver los problemas de los servicios públicos enterrados. Nuestro único propósito es el diseño y la fabricación de instrumentos de localización de líneas eléctricas y tuberías enterradas y que son útiles y resistentes en el trabajo de campo.

Nos enorgullecemos de la calidad de servicio y soporte al cliente. Hemos establecido un estándar de servicio difícil de superar.

A diferencia de algunas empresas, nuestros ingenieros saben cómo utilizar el equipo y lo más importante, saben cómo enseñar a otros en un lenguaje sencillo y sin utopías. Ayudar a resolver los problemas enterrados es lo que mejor sabemos hacer.



PRODUCTS

Cable Locators

AT-9

DIGI-7

Primary Cable Fault Locators

D.A.D.

S.D.A.D.

Secondary Cable Fault Locators

EG-3000

EG-3000T

Accessories

I.C. 49 Inductive Coupler

I.C. 56 Inductive Coupler.....

I.C. 56WT Wireless Inductive Coupler.....

A-Frame

Stirrup Probes.....

CABLE LOCATORS

AT-9 Power Pup



This is a low-cost receiver that is tuned to 50-60 Hz and picks up the electromagnetic wave when current is present in the cable. It will detect loaded lines where most others fail, because of advanced receiver circuitry and a precision wound antenna.

Not only are low energy signals or waves detected, but also some low impedance grounded faults, underground transformers, and splices can be found. Operating the receiver/antenna "gun" and headphones is very simple.

The AT-9 comes complete with headphones and foam lined carrying case designed for rugged protection of the instrument. An external loudspeaker box is available.

The AT-9 requires less than 1 amp load current to produce a locate 3 feet deep typically. A 100W. light bulb draws about 0.8 amps.

DIGI-7



The DIGI-7 is a full feature digital pipe and cable locator that has fully automatic left-right guidance mode, but also has a completely manual mode. Integrated one-hand controls, speed, and simplicity are also characteristics of the new DIGI-7 digital pipe and cable locator.

The Digi-7 is an affordable Digital alternative to the high priced locators on the market today.

New features include unified mechanical packaging, large easy-to-see LCD, an internal inductive

antenna, and one-handed operation.

The Digi-7 system includes the receiver, transmitter, ground plate assembly, and foam lined carrying case.

Inductive Couplers are available as accessories to the Digi-7 system.

D.A.D.

Directional Acoustic Detector*

DAD 2-Channel System Points Direction to Fault*



The model D.A.D. Directional Acoustic Detector features a new concept in fault locating that utilizes the speed of sound to show direction to the fault (thump) from where the operator is standing. This dual channel system is designed to work with any brand thumper. The sound of the thump is detected at different times by two microphones placed over the cable route. The DAD uses an ultra-high speed clock to determine which microphone is closer to the fault and indicate the direction the operator must go. When the operator passes the fault, the meter will indicate a reversal in direction.

The DAD includes soft soil microphones (earth probes) as well as tri-pod bases for hard surface location. The earth probe allows the thump to be heard in soft dirt, sand, bark dust, or under water. It even works well in high background noise areas. Since the earth probe penetrates the soil, background noise is left above ground and all that remains below ground is the "thump". The tri-pod bases are used over asphalt and concrete and can even be pushed into some types of soft soil.

The DAD also includes a ballistic impulse detector to visually confirm the presence of the "thump". This detector receives the large magnetic wave that travels the cable with the thumper pulse. This magnetic is so effective, the operator can pre-locate most faults using only the magnetic portion of the DAD, even from inside a moving vehicle.

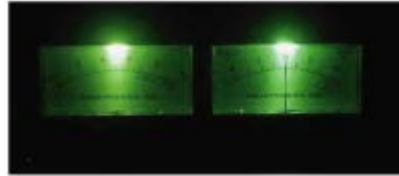
The DAD system includes the following:

- Two earth Probe Microphones
- Two Tri-Pod's (for use on hard surfaces)
- Two Microphone Cables
- A-T Ballistic Impulse Meter Detection System
- Logic Trip Meter for direction to fault indication
- Stereo Headphones - High quality and comfortable

- Audio output limitation: Automatic ear protection for the operator, even if a microphone is dropped.
- Foam lined carrying case
- Instruction Manual & Batteries
- Warranty

Optional

- Stirrup Probes
- Backlit Display (DADbl)

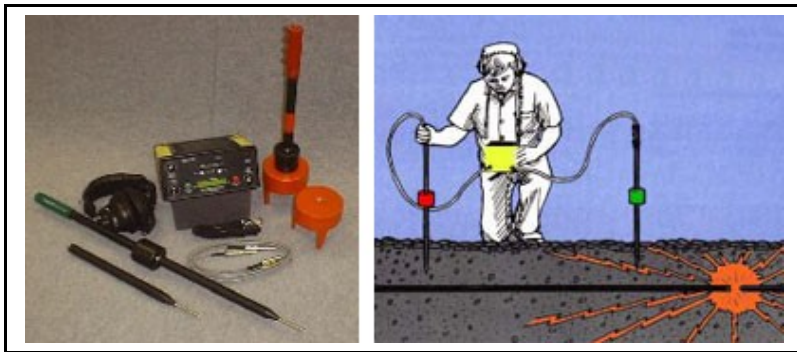


*US Patent #4,835,478

S.D.A.D.

Super Directional* Acoustic Detector

SDAD 2-CHANNEL SYSTEM POINTS DIRECTION TO FAULT *



Ease and speed of fault finding with a thumper have been greatly enhanced with the addition of the S.D.A.D. to the Aqua-Tronics line. The Super DAD conveys more information about the fault location, and faster, with the addition of new microprocessor controlled electronics that provide bright, easier-to-see-and-read signals - day or night.

The SDAD has three modes of operation:

- Basic DIRECTION-TO-FAULT, with centering ability
- Time-based distance to fault, triggered by ballistic impulse (Magnetic thumper wave) to eliminate false tripping due to background noise
- FAULT DEPTH indication

All other features are the same as the D.A.D., which has been proven to be the industry-standard for detection of thumper pulses, and is in use by most leading utilities in the U.S. Protected under *US Patent #4,835,478 and patents pending.

COMPLETE DETECTION SYSTEM INCLUDES:

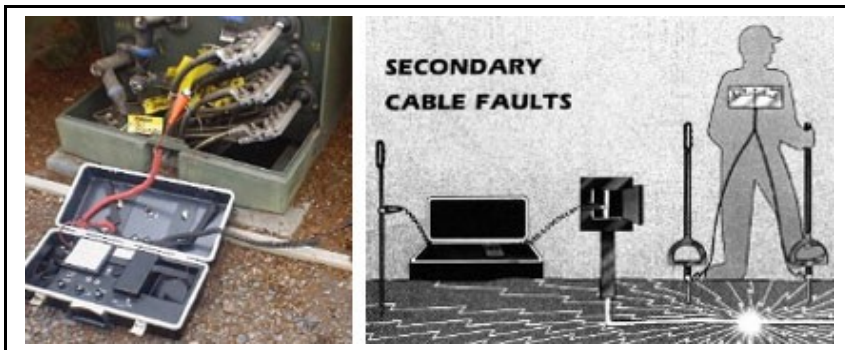
- Two earth Probe Microphones
- Two Tri-Pod's (for use on hard surfaces)
- Two Microphone Cables
- A-T Ballistic Impulse Meter Detection System
- Direction to fault indication (Super bright LED's)
- Stereo Headphones - High quality and comfortable
- Audio output limitation: Automatic ear protection for the operator, even if a microphone is dropped.
- Foam lined carrying case
- Instruction Manual & Batteries
- Warranty

Optional

- Stirrup Probes

SECONDARY CABLE FAULT LOCATORS

EG-3000 & EG-3000T



UNDERGROUND CABLE FAULT LOCATOR With Automatic Cable-Saving Voltage Control*

The EG-3000 is the culmination of 20 years of fault locator development based upon field experience. It is a complete system, employing the most effective fault location electronics, plus many features for safety and operational convenience. Most outstanding of these is the system's Automatic Cable-Saving Voltage Control.*

When pulsing a line to establish a fault, the EG-3000 applies only the breakdown voltage needed. Just as important, once the breakdown or flash to ground is achieved, the voltage is automatically reduced to the minimum amount needed to keep the fault alive and the fault current is increased. Up to 2.2 amps is available to locate through asphalt and concrete or dry sand and soil. **Try that with an AC type fault locator.**

The Transmitter

- Faults up to 20 MegOhm
- Over 2 amps of current available
- Automatic voltage control
- Up to 3 kV output
- Operates from 120V source, 12V external source, or 12V 7Ah rechargeable internal battery.
- Prevents cable and insulation damage
- Proof tests cables before returned to service.
- 120V. Protection for hookups to live cables.

Optional Cable Tracer

The EG-3000 is available with a built in cable tracing system. It is a highly effective line locator featuring a high gain receiver with a swivel antenna allowing for peak, null, and depth readings with ease. It has 5 step impedance matching for maximum tracing ability in all soil conditions. An Inductive Coupler and Inductive Antenna are available as accessories.

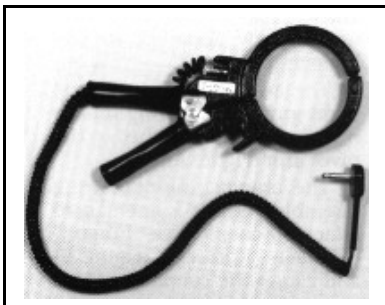


An accessory A-Frame is available (24" probe spacing).

*U.S. Patent # 4,697,137

Accessories

I.C. 49 Inductive Coupler



Traditional 3" budget coupler. Compatible with all Aqua-Tronics tracing instruments.

I.C. 56 Inductive Coupler



Traditional 5" Coupler. For use with any Aqua-Tronics tracing instruments

I.C. 56 WT Wireless Inductive Coupler*



This is an all new remote wireless inductive coupler with super safe housing and extension clamp-on feature. Its tone transmitter is built into the handle, so there is no cord to create problems or danger. The I.C. 56-WT greatly increases safety and reliability in line tracing. In addition to having no cord with a transmitter hanging at the end of it, this unit incorporates Aqua-Tronics' latest plastic housing (Auto-Clamp). This design provides automatic positive seating of the coupler contacts, plus a unique technique for manipulating the jaws at the end of a lineman's hot-stick. The inside diameter of the jaws is 5 5/8" (14.29cm).



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