

Termite and Insect Pest Detection Kit



Introducing the second generation AED-2010L portable acoustic emission instrument and SP-1L probe set. A product of several years collaboration between AEC and the USDA Agricultural Research Service. Now the most advanced and sensitive acoustic detection system for locating termites and hidden insect pest infestations in wooden structures, trees, plants, and soil.

Applications

- Termites in wood, trees, and soil
- Weevils, beetles, and other larval root feeders
- Furniture Beetles
- Carpenter ants
- Carpenter bees
- Red Palm Weevil (palm trees)
- Asian & Citrus Longhorned Beetles
- Stored grain products

Key Features

- Portable, battery operated
- Sensitivity over 1-50 kHz
- Versatile probe with attachments for different applications
- True audio output for accurate signal interpretation
- Signal rate processing and storage of data for permanent record
- Advanced Windows software for data logging to PC.



The versatile SP-1L probe comes with several threaded (1/4" x 28) attachments for different applications:

1. Model DMH-30 magnet for magnetic attachment to lag bolts and large nails. Also used with drill bit adaptor.
2. The Model WG-B6, 6-inch x 1/4-inch bare waveguide for insertion into soil or wood.
3. The Model WG-C6, 6-inch x 1/4-inch rubber tipped waveguide for contact with wood, dry-wall, and nail heads.



Listening to drywood termites in a porch tongue-and-groove ceiling. A 1/16" drill bit inserted into the wood is attached with the collet adaptor and magnet to the SP-1L probe. This method is also used through drywall.



Listening to drywood termites in a wooden column using the rubber-tipped waveguide on the SP-1L probe. Only 5-10 secs per location is needed to establish the presence of termite activity. Detection is possible up to 3-ft away.

What's Included:

1. AED-2010L instrument.
2. AMRE2500 carrying case.
3. Headphones with volume adjust.
4. AC adaptor (110-240 V, 50-60 Hz)..
5. Mini-USB (5 pin) to std USB cable (4 ft)
6. 9-volt battery.
7. Operations manual on CD.
8. Retractable 6-ft power/signal cable.
9. Model SP-1L probe with accessories:
 - Model DMH-30, 3/4" diam high force magnet.
 - Model WG-B6, 6" x 1/4" stainless steel uncoated waveguide.
 - Model WG-C6, 6" x 1/4" stainless steel rubber coated waveguide.
 - Adaptor for 1/16-inch diam drill bit with set screw.



Termite sounds from feeding are like sharp pops and crackles in the audio output. Click on the icon at left to hear what it sounds like through the headphones in the example at upper left. Hit rates of 25-100 per second are common in infestation locations.

Optional:

AED Windows-based software for PC

Distributor/Representative

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