



Acoustic
Emission
Consulting

Model ABP-1 Airborne Probe



The Model ABP-1 Airborne Probe was designed to accommodate the AED-2000 instrument line for a versatile set of applications:

- Airborne leak detection from gas pressurized systems
- Corona discharge from electrical insulators
- Insect pests in stored grain products
- Boring insects in plants and trees

This high sensitivity probe is tuned to 40 kHz, the low ultrasound region, and is impedance matched for airborne coupling. Combined with AED-2000's dual processing modes (threshold counting and continuous RMS signal processing), it is capable of distinguishing both pulsed and continuous noise sources. The 11-degree cone at the sensor inlet provides directional control.

Features

- Compact aluminum pistol grip design
- 40 kHz airborne sensor
- 11-degree cone for directional control of reception
- Integral 40 dB preamplifier
 - +24 V DC power
 - 50 ohm output impedance
 - BNC coaxial connector
- Dimensions and weight
 - 6.5" x 2.4" x 1" (16.5 cm x 6.1 cm x 2.5 cm)
 - 10 oz (284 gms)



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Detecting corona discharge from insulators on high tension power lines. Click on the icon below to hear what it sounds like through the AED-2000 audio output.

Detecting steam leaks in valves and other fittings in power plants. Click on the icons below to hear the probe passing a valve steam leak in unfiltered (>25 kHz) and the filtered (>100 kHz) conditions.



Listen to rice weevil larvae feeding inside rice grains.



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