

Key Benefits:

- *Field deployable*
- *Powerful*
- *Versatile*
- *Comprehensive*
- *Rugged, ready-to-go packaging*

Best Uses:

- *Threat assessment*
- *Audio countermeasures*
- *Room sweeps*
- *Incident response*

Who Needs This?

- *TSCM operators*
- *National/regional law enforcement agencies*
- *National intelligence agencies*
- *Military services*
- *Private security firms*

Complete your threat assessment capability with UltraSweep today!

For more information or to receive a price quote, visit the DAC website at <http://www.dacaudio.com/> or send us an email at sales@dacaudio.com.

**THE POWER TO HEAR –
THE POWER TO CONVICT™**

UltraSweep

Acoustic Countermeasures Kit



To complete your threat assessment capability, DAC presents the newly configured UltraSweep Acoustic Countermeasures Kit. This rugged, field deployable kit provides the necessary tools needed to analyze electrical and acoustical signals over the frequency range of 20 to 220,000 Hz. Plus, it offers a complete set of easy-to-use, portable tools and devices for maximizing your audio collection, noise reduction, and countermeasures efforts.

Kit Includes:

- *DAC UltraScope ultrasonic acoustic detection device and spectrum analyzer*
- *High performance ultrasonic microphone and preamplifier*
- *PicoDAC portable audio filter with custom filter set*
- *PIP II high performance amplifier with phantom power supply*
- *TIP II high performance amplifier for use with microphones and accelerometers*
- *Wilcoxon accelerometer with 6 foot cable*
- *MiniDisc recorder with power supply & accessories*
- *Headphones (2 sets)*
- *15' UltraScope microphone extender cable*
- *19-piece, Pomona probe kit*
- *RS-232 interconnecting cables*
- *Rugged Pelican® carrying case with foam inserts*
- *Extra battery pack for UltraScope*
- *Power supplies with US line cords for each unit*



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Probe Interface Pod II (PIP II), shown left, is an effective countermeasures amplifier that can be directly interfaced to power mains, telephone lines, and other types of wiring. A built-in 1-27 VDC phantom power supply allows energizing of wire pairs to test for the presence of hidden microphones. A built-in hum filter effectively removes 50/60 Hz hum allowing the 0 to +40 dB output gain stage to amplify the remaining signals.

PIP II

TIP II

Transducer Interface Pod II (TIP II), shown right, is a high-performance amplifier designed for use with all types of microphones and accelerometers. Both dynamic and condenser mics are accepted by TIP II using either 3.5 mm, 1/4", or XLR plugs. The unit will accommodate standard Knowles and Tibbetts mic assemblies, as well as Wilcoxon Research accelerometers.



UltraScope

Input

- Acoustic input from supplied ultrasonic mic
- Line input from ProbeAmp or other source

Bandwidth

- 100 – 220,000 Hz

Frequency Selection

- Any 10 kHz region from 0 to 220 kHz
- Minimum step size of 4 Hz for precision tuning
- Select either DSB, USB, or LSB demodulation

Line Output

- 1 V_{rms}, nominal output level
- Standard 3.5 mm stereo connector

Phones Output

- 3.5 mm stereo phone jack

RS-232 Interface

- Outputs measurements in ASCII format
- Adapter cable to standard PC RS-232 jack (supplied)

Packaging

- 9.4 W x 22.9 L x 5.3 H centimeters
- Rugged ABS plastic housing
- Approximate weight: 1 lb.

Power

- 9 – 18 VDC external DC power input
- Four AA Ni-MH or standard AA alkaline batteries

UltraScope (shown above) uniquely offers the ability to select a 10 kHz region of signal to demodulate to the audible band for listening. UltraScope enables the operator to hear and visualize audio signals over a range from 100 to 220,000 Hz.



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