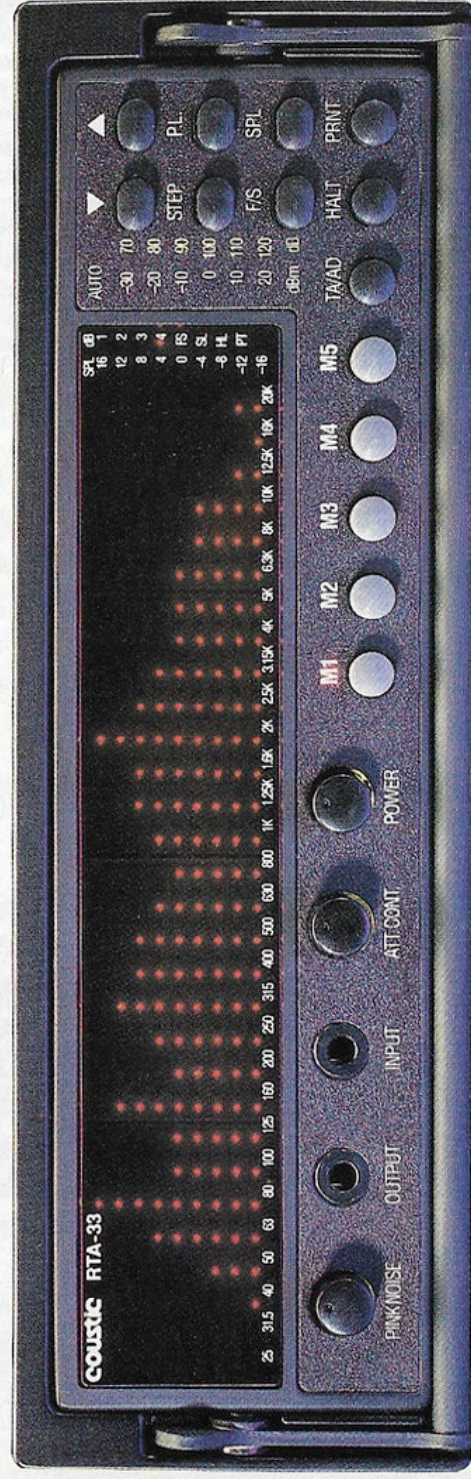


# Real Possibilities.



ACTUAL SIZE

Engineered for the sophisticated audiophile, Cooustic products are designed and manufactured to represent the cutting edge of advanced mobile/audio electronic technology.

With our latest RTA-33, One-Third Octave Real Time Analyzer, the **possibilities** are limited only by your imagination. Simply touch a button, the RTA-33 will, in **real** time...

- Display frequency response of your audio system.
- Digitally display the sound pressure level (SPL).
- Generate random "pink noise" for precise audio system measurement and calibration.
- Store frequency response samples into memory.
- Instantly compute and display the average of 256 frequency response samplings, recorded evenly in a 10-second period.
- Compute and display the difference between a stored frequency response with a new "Time Averaged" response for accurate calibration.
- Provide a print-out of the recorded frequency response and SPL using any dot-matrix printer.

Clearly representing the state-of-the-art in precision instrumentation, and a major breakthrough in sophisticated audio electronics, the RTA-33...

- Utilizes a Digital Signal Processor (DSP) which manipulates signals in the digital domain (instead of analog) at blinding speed – a technology widely used in sophisticated military, medical, satellite equipment, as well as, NASA's space program.



- DSP requires no adjustments and uses fewer discrete components. It offers a high degree of noise immunity with amazing precision.
  - Divides the audio spectrum, between 25 Hz to 20 KHz, into thirty 1/3 octave bands with center frequencies conforming to ANSI/ISO standards.
  - Band-pass filters are implemented mathematically with the DSP, yielding far superior accuracy and consistency.
  - Maintains 5 system memories with a built-in Lithium battery.
  - Operates on 12-volt DC, or the internal Ni-Cd rechargeable battery pack, or a 110-volt AC/DC adaptor (included).
  - Is no larger than a DIN-size, in-dash car radio and features a pull-out chassis for portability and security.
  - Can be fitted with a customized EPROM package to produce a print-out which references audio system performance levels for comparison against the International Auto Sound Challenge Association's (IASCA) Frequency Response Scoring parameters.
  - Features calibrated microphone (included) and unbalanced RCA inputs, selectable input sensitivity with AutoRange, selectable display resolution, peak latch, and much more...
- A masterpiece of mobile/audio engineering, the Cooustic RTA-33 combines extraordinary features into a compact, self-contained precision instrument. Get one and enjoy the **real possibilities**.

Cooustic... a sound investment.



**COUSTIC**<sup>®</sup>

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THE 1991 INTERNATIONAL SUMMER CONSUMER ELECTRONICS SHOW  
**INNOVATIONS '91**