



## Boonton 1121A Audio Analyzer

### High-Precision Audio Analyzer, Built-In Test Signal Generator

Boonton Model 1121A audio analyzer provides fast and very accurate measurements including frequency, AC or DC level, distortion, SINAD and signal-to-noise ratio. It also includes an audio source providing low distortion signals over wide frequencies and level ranges.

The 1121A incorporates selectable output impedances of 50, 150 and 600 ohms, 16 volt RMS output, additional 0.3 mV full scale measurement range, and quasi-peak detection. The 1121A Audio Analyzer also tunes and manages auto-ranging automatically for maximum accuracy and resolution. Distortion, frequency response, AC and DC voltage measurements require only one single keystroke. The instrument is ideally suited for stimulus response applications because of an on-board low-distortion audio source. Internal control of the source and analyzer allows for swept measurements.

For the accurate measurement of complex waveforms and noise, the audio analyzer uses true RMS average or quasi-peak detection. Accurate distortion measurements can be made to  $-90$  dB (0.003%) between 20 Hz and 20 kHz. Over the same frequency range, flatness measurements are possible to 0.05 dB (0.5%). The audio analyzer precision reciprocal counter gives fast and accurate characterization of audio frequencies.

#### Features and Benefits:

- Frequency range from 10 Hz to 200 kHz
- Measurement level from 300  $\mu$ V to 300 V (full scale)
- Low-distortion audio source for testing systems, amplifiers, receivers and components
- Instant recall of up to 99 complete front panel setups

#### Related Products

Boonton 8201 Modulation analyzer  
 Boonton 4240 Average power meter  
 Boonton 4540 RF Power Meter

*For more information, please see the Boonton 1121A data sheet.*