

Model 3200 Real-time Analyzer

The Model 3200 is best presented as an analysis platform with both hardware and software modularity rather than as a specific analyzer with rigidly defined characteristics. Into a single mainframe, a wide variety of analysis options, input modules with signal conditioning (microphone, accelerometer, and multiplexers), tachometer modules, computer interfaces and expanded memory boards may be installed. The configuration best suited to application and/or budget can be purchased while maintaining the ability to expand or modify the capabilities as the need arises.

- *Aircraft & Transportation Noise*
- *Industrial & Community Noise*
- *General Surveys Acoustic*
- *Intensity Building & Room*
- *Acoustics Modal Analysis*
- *Order Tracking*
- *Sound Power Determination*
- *Vibration Measurements*
- *Statistics*
- *Transient Capture*
- *Machinery Noise*
- *Ultra Sonic Frequency Analysis*



FEATURES

- *Multi-channel frequency analyzer: 1 to 8 channels real-time analysis up to 20kHz*
- *1/1 or 1/3 octave filters (0.1Hz to 20kHz)*
- *FFT (up to 800 lines)*
- *Acoustic Intensity and Sound Power (optional)*
- *Transient Event Measurements*
- *Architectural Acoustics*
- *Structural Testing and Modal Analysis*
- *Order Tracking (optional)*
- *Statistics (Ln's) for noise and vibration as a function of 1/3 octave band frequencies*
- *Signal inputs for microphone or accelerometers*
- *1 MB memory*
- *Advanced Signal Generator - Pink and White Noise, and Swept Sine*
- *Internal 3 1/2" floppy disc drive (optional)*
- *RS-232 or IEE-488 interface*
- *Direct printout of stored data*
- *Windows based software for setup, control and high speed data downloading*