

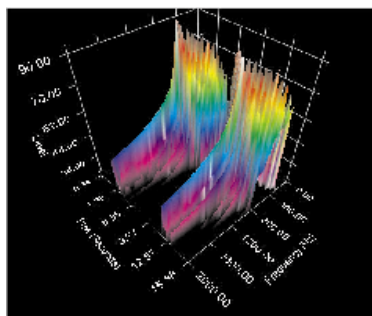
CEL-914 USB Line Input Adaptor Interface Unit

Introduction

This useful “plug and play” accessory is designed for use with the CEL-920 and CEL-940 pc based software analysis systems.

The high demands placed on a portable computer when used for today’s complex noise and vibration signal analysis require that a fast analog to digital converter is used to pass the signal to the processor in the pc.

This small and lightweight USB device is capable of transfer speeds much greater than conventional RS-232 ports making the CEL-914 unit the ideal match for converting a standard laptop pc into a sophisticated analyzer.



3D plot showing variation of frequency with time

Ordering information

CEL-914	USB line input interface adaptor and CEL-90334 signal cable
CEL-90334	Replacement signal cable (1 way to 2 way phono connectors plus 3.5 mm jack adaptor)
CEL-920	Real Time Frequency Analysis software
CEL-940	Multi-parameter Data-logging Analysis software
CEL-231/254	Simple sound level meter
CEL-440/480	Classic sound level meter (with or without frequency filters)
CEL-553/573	DSP based Real Time Analyzer (with or without frequency filters)

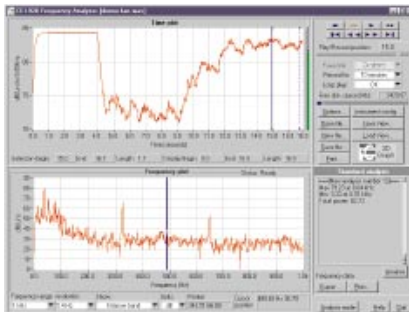
Key benefits

- Digitizes analog signals from a simple sound level meter or vibration meter
- High speed digital transfer from interface unit to pc
- Supplied with 2 line input connectors (phono types)
- Supplied with 2 line output connectors (phono types)
- Accepts input signals up to 2 V rms from audio tape recorders or other sources
- Provides output to headphones to monitor signal source
- Supplied complete with signal input cable (3.5 mm jack to 2 phono plugs plus phono to 3.5 mm jack adaptor)
- “Plug and play” for ease of installation and use

Example of screen shots



octave and third octave analysis



original signal plus narrow band frequency analysis to show tones



CEL-914 High speed USB analog to digital interface unit

(Size approx 4.5 x 3 x 1 in with 12 in cable to USB connector)