

CEL-6701 dB5 Windows software for the CEL-500 Series

Introduction

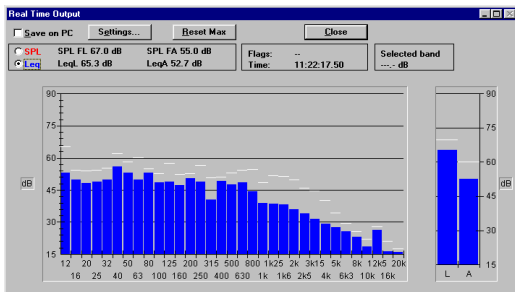
The CEL-6701 software is designed to be used in conjunction with the dual range versions of the CEL-5X3.100 range of Real Time Analysers. The dual range versions of this series analysers are available with the capability to perform long term noise measurements over an extremely wide 100 dB range. dB5 software is a Windows based program that enables the analysers to be setup remotely from the master computer where all of the key settings of the instrument can be changed remotely. Settings can be saved in the user-configured memories of the instrument for use at a later stage.

The microphone heater in the CEL-526 preamplifier can be remotely controlled from the software to provide the system with some extra protection against adverse weather conditions. A measurement run can be started and stopped from the instrument's keypad or remotely from the computer. At any time during the run the results up to that time can be downloaded to the computer running dB5 software. During the run the real time noise levels can be viewed on the PC screen as a time history trace of level or frequency depending on recording bandwidth.

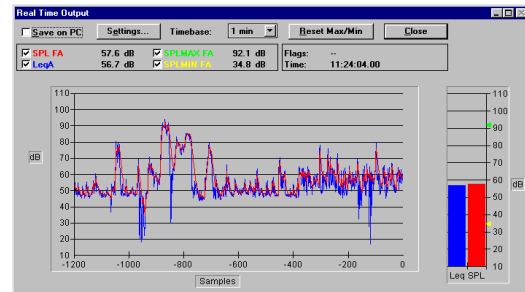
Key benefits

- Windows 3.1, 95, 98 compatible
- Part of the CEL SoundTrack software series
- Provides setup capability for the instrument prior to a run
- Provides download capability for the results during or at the end of a run
- Provides a remote real time trace of noise levels on the PC screen
- Enables noise level data to be exported to an external spreadsheet package for graphing and recalculation
- Leq and Lp values are displayed 20 times a second in broadband mode as a real time trace
- Leq and Lp values are displayed 2 times a second in octave or third octave mode
- Save samples to hard disk

Typical examples of on screen displays using dB5 software



real time level against frequency display



real time level against time trace

control screen to setup analyzer

Period number	Datapoint	Flag (0BFZ)	Date and Time	SPLMAXF (dB)	Leq (dB)
1	11/7/1999 16:00:00	62.7	47.1
1	2	...	11/7/1999 16:01:00	54.0	45.4
1	3	...	11/7/1999 16:02:00	65.1	48.4
1	4	...	11/7/1999 16:03:00	62.4	46.7
1	5	...	11/7/1999 16:04:00	65.1	47.1
1	6	...	11/7/1999 16:05:00	65.2	46.4
1	7	...	11/7/1999 16:06:00	62.5	46.1
1	8	...	11/7/1999 16:07:00	60.7	45.1
1	9	...	11/7/1999 16:08:00	56.2	46.7
1	10	...	11/7/1999 16:09:00	64.1	48.6
1	11	...	11/7/1999 16:10:00	61.5	45.6
1	12	...	11/7/1999 16:11:00	39.6	44.8
1	13	...	11/7/1999 16:12:00	47.6	43.1
1	14	...	11/7/1999 16:13:00	64.0	48.7
1	15	...	11/7/1999 16:14:00	64.7	46.3

display of results in tabular format

Ordering information

CEL-6701 dB5 software supplied on two floppy disks for Windows 3.1 and above