

## CEL-6697 dB4 Windows software for the CEL-500 Series

### Introduction

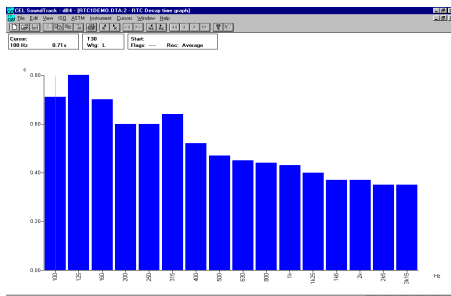
The dB4 software is used to provide a download capability for the CEL-5X3 real time analyser family following completion of measurement Runs. Simply connect the instrument to the RS232 serial comm. port of a standard computer running MS Windows and choose from a list of stored Runs. Files can be downloaded one at a time or in groups and saved in a data directory for further inspection and manipulation. The broad band Run data can be viewed in a wide variety of ways to allow the user to inspect the measurement graphically in the form of the decay times, the decay profile results, the source room levels, the receive room levels and any background level measurements.

Many international standards are covered in the software utilising the downloaded results, such as ASTM E336, ASTM E413, ISO-140, ISO-717, etc. Details of the rooms can be entered for the volume and surface area to calculate relevant noise parameters. Options are provided to control the starting and stopping of measurement runs remotely from a PC or to select a new Setup. Run results can also be viewed as text and can be cut and pasted to allow the data to be used in external spreadsheet programs when further re-calculation or data manipulation is needed. Cut and paste results to a word processor as required.

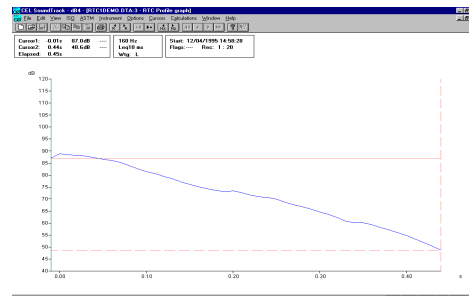
### Key benefits

- Windows 3.1, 95, 98 compatible
- For the RTC, RTI, TMS & RCS modes
- Provides download capability for the results at the end of a run
- Shows the noise results as graphs or text screens
- Enables noise level data to be cut and pasted to an external spreadsheet package for further recalculation
- Can be used to show broad band data and octave or third octave band results
- Controls the collection of measurement remotely data from the PC
- Features a built in word processor to allow user specified hard copy output to attached printers

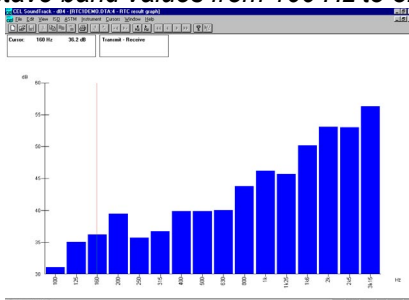
### Typical examples of on screen displays using dB4 software



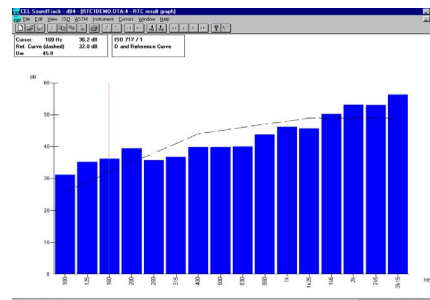
Example of the decay time result screen showing 1/3 octave band values from 100 Hz to 3k15 Hz



Example of the 160 Hz 1/3 octave decay curve



Example of the transmit - receive noise levels



Example of the Dnt,w result from ISO-717 Part 1

### Ordering information

CEL-6697                      dB4 software supplied on two floppy disks for Windows 3.1 and above