



Dynamic Signal Analysis & Processing Software

Model: YE7800

1.YE7800 Overall Introduction

The software is developed in the VC++ environment, could be applied in the current major operating system such as Windows 2000/XP/2003. YE7800 offers the great function of analysis and processing and perfect function of on-line help. It's an integrated multi-channel signal analysis software, various windows, multi-module function, with strong compatibility. We have been continuously introducing the new edition and we also offer the updating service for the customers free of charge.

2.YE7800 Major Function

- **Pretreatment:** the alteration and settings of time-domain waveform, linearity/nonlinearity trend elimination, flatness, digital filtering (low pass, high pass, band pass and band stop), waveform differential and integral, signal re-sampling.
- **Time domain analysis:** monotrack time domain analysis, Lissajous diagram analysis, autocorrelation and cross correlation analysis
- **Amplitude Domain Analysis:** the analysis of probability function and amplitude value count, amplitude value count includes peak value count, range count and rain flow count.
- **Frequency Domain Analysis:** the analysis of FFT, power spectrum, power spectrum's density, frequency response function, cross spectrum, coherence, cepstrum, the max entropy and spectrum zoom .
- **Time and Frequency Domain Analysis:**3D spectrum array analysis, the analysis of wavelet and wavelet packet
- **Acoustics Analysis:** the analysis of sound pressure and sound intensity
- **Special Analysis:** the analysis of shock response spectrum (SRS), bi-spectrum, resonance demodulation and enveloping.
- **Data Format Conversion:** data could be converted into such formats as the text, EXCEL, MAT (Matlab) and UFF.
- **Signal Source:** a variety of signals could be introduced: sine wave, square wave, triangle wave, sweeping frequency signal, modulated wave, white noise and narrowband random signal.
- **Output:** various output ways, the copy, storage and print of the diagram, the data could be educed electrical table as TXT, CSV, Excel and data formats as MAT and UFF, and the analysis report of Word format with photos and articles presented could be easily obtained.

3.YE7800 Partial Interface

