Microphone (KDS-1012)

Microphone
order number : KDS-1012

Microphone can measure FFT(Frequency Analyzing Spectrum), amplitude, vibration number, wave and utilized when studying beat, Doppler effect, making sounds, exploring sounds in everyday life, and instrument tuning.

Range of Usage : 20 Hz ~ 20000 Hz, -50 ~ 20 dbVrm

Sound Spectrum

This software is used for studying beat and vibration of sound. It acquires high speed FFT, which is frequently used in professional areas of acoustics, noise and vibration analysis. The high speed FFT enables accurate analysis of the frequency spectrum.
Range of frequency analysis : 20-20000Hz

Sound Wave

High speed Signal Analyzer makes observance and analysis of sound amplitude, vibration number and waves easier. Signal Analyzer is used in various professional fields of acoustics, noise and vibration analysis.
(Sound Wave includes Sound Spectrum and Sound Generator)

Sound Generator

This software creates various sounds through the computer's speakers. Sound Generator generates Sine, Toothwave, Pyramidal waves. User can control vibration number and amplitude

☐ Important Functions of Sound Wave's Spectrum

① Experiments : immediate experiment made accessible through one-touch button (Easy &Powerful)
② Frequency Spectrum : analyzing sound vibration number spectrum
③ Sound Level : analyzing sound level in dBVrms levels
④ Saving : save file as Excel, Wave, Jpg format.
⑤ Table : frequency table analyzed according to Threshold conditions
⑥ Threshold Vibration number : setting level value of the frequency in analysis
⑦ Frequency Analysis Method : setting analysis method; options are RMS, Peakhold or Vector method