

IE-45 Audio Analysis System

Convenient Powerful Cost Effective



1/3 Octave Display

Shows thirty 1/3 octave bars at ISO centers

Adjustable display decay

Peak detect and hold

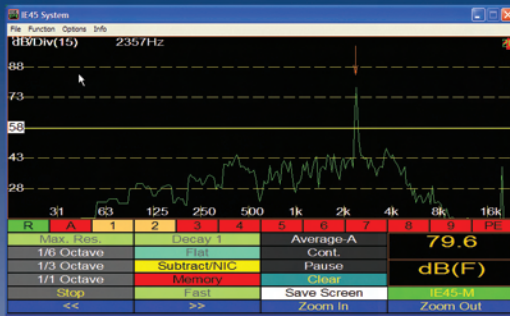
Continuous or individual sample averaging

Accuracy +/- 0.5dB

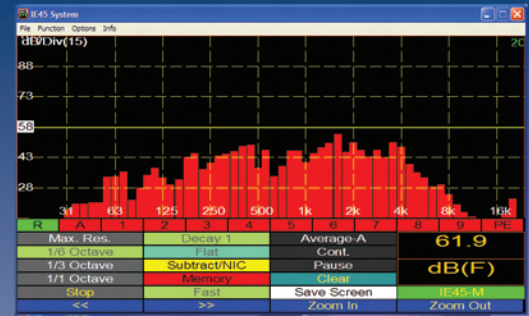
IE-45 Audio Analysis System

Convenient Powerful Cost Effective

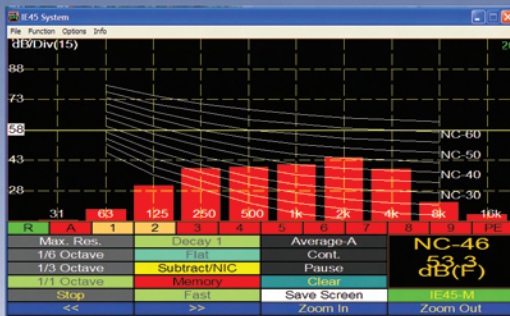
**1/24 Oct/
Freq Detect**
Shows real time audio spectrum from 20 Hz to 20 kHz in 1/24 octave resolution.



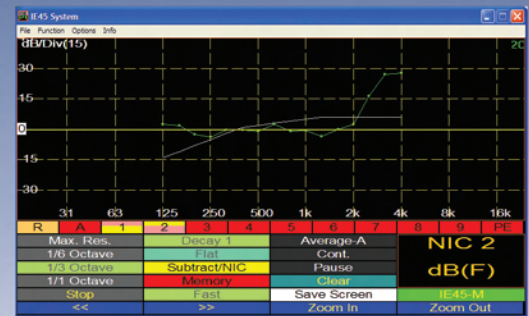
1/6 Octave
Displays sixty 1/6 octave bars at ISO centers.



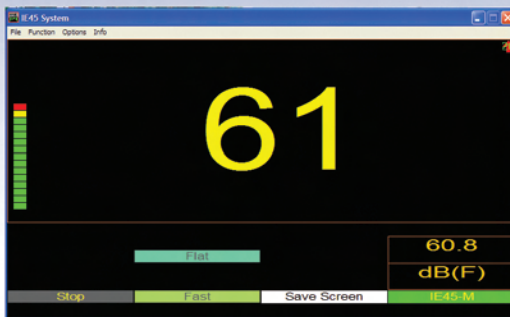
Noise Criteria (NC)
NC contours can overlay the RTA octave bars while providing a real time calculation of the NC value. (NR also included.)



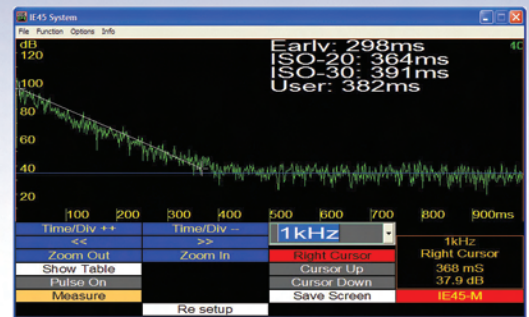
Noise Index Class (NIC)
Quick and accurate transmission loss measurements. Take running or spot averages on both sides of a barrier, then at the touch of a button, display the plotted data and calculated Class number.



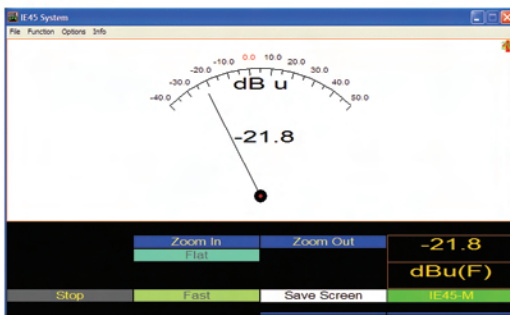
SPL Monitor & Seat To Seat
(A, C or Flat) weighting across spectrum or at octave centers. User selectable points for yellow and red warning displays. Records variations when "walking" an area from a user selectable reference point.



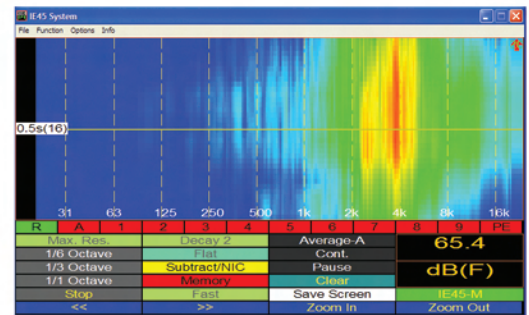
RT60 (Optional Software)
Provides for external impulse excitation and sudden removal of an internal IE-45 broadband source.



Volt Meter
Displays AC Volts, dBu, dBV, and AC V peak to peak. Voltage measurements range (without external attenuator) is from very low microphone levels up to +24 dBu.



Spectrograph
Displays frequency along the X axis, and time along the Y axis. Color represents intensity or SPL.



Also includes a dual trace/XY scope, signal generator, polarity checker and much more!
Additional Optional Software: LEQ, STI-PA, Record (Wav file)

Supplied microphone (Type II):

Electret condenser, omni directional, removable with optional cable
Meets ANSI and IEC requirements for Type II soundlevel meters

Optional microphone (Type I):

Ivlie IE-5P preamp w/1201 prepolarized 1/2" Type I capsule, omni directional
Ivlie IE-6P preamp provides 200 V polarizing voltage, uses model 1133 or 1134 1/2" Type I air condenser microphone capsules
Meets ANSI and IEC requirements for Type I soundlevel meters.

Standard Package includes:

Samsung Q1 UMPC computer, Ivlie IE-45IM input module, Ivlie IE-45M Type II electret instrumentation microphone, Ivlie45XLS Software, windscreen, quick start user guide, manual (Package also available without Samsung Q1)



1605 N West State Street
Lehi, UT 84043
Ph: (801) 766-7600
Fx: (801) 766-8282
www.ivlie.com