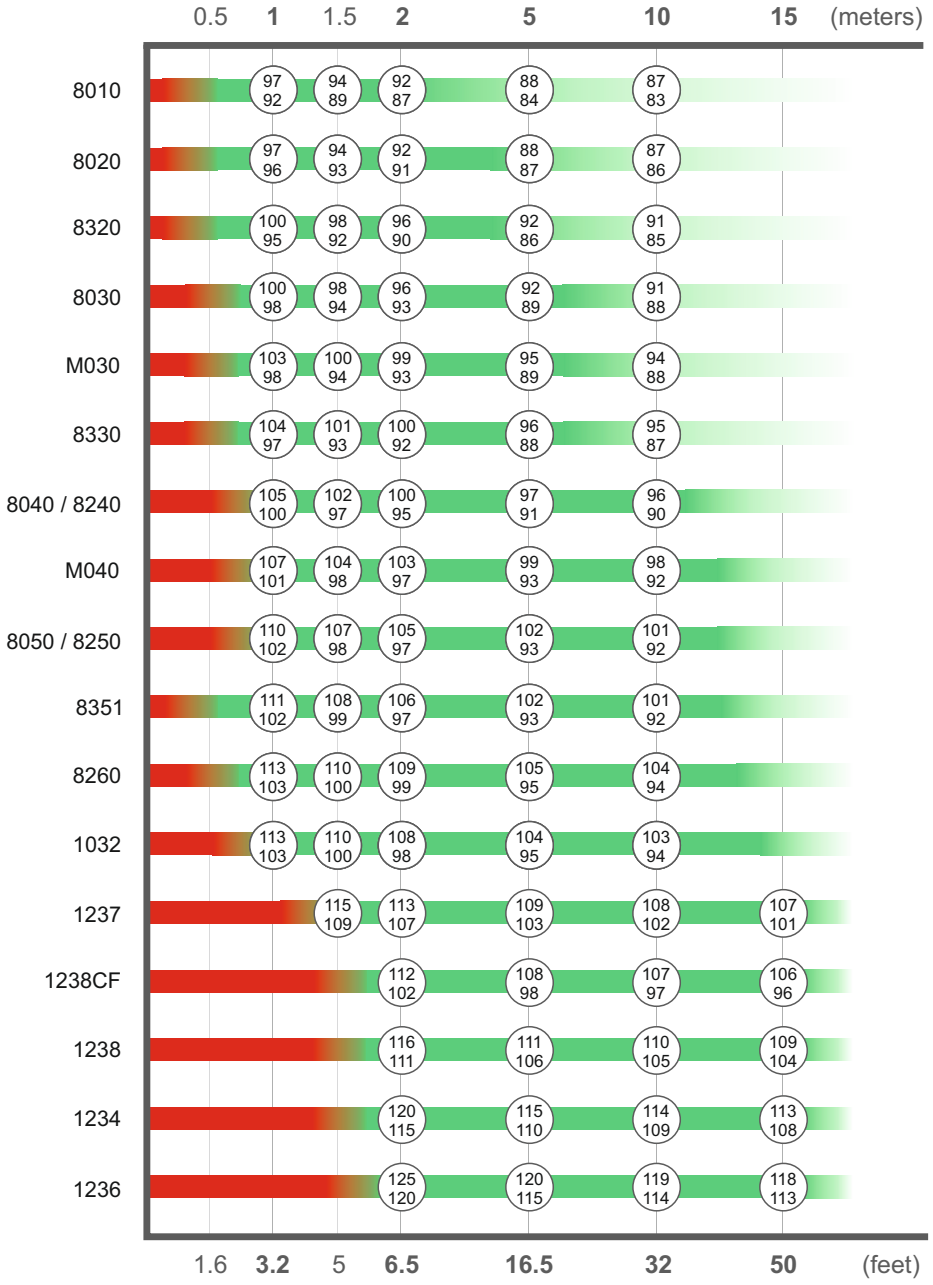
Genelec Monitors Listening Distance and Sound Pressure Level



105
96

Short-term sound pressure levels
Maximum short-term sine wave acoustic output averaged from 100 Hz to 3 kHz, measured in half-space, on-axis at 1 meter.

Long-term sound pressure levels
Maximum long-term RMS acoustic output, measured in half-space, on axis, with IEC 60268-5 simulated programme signal (limited by driver unit protection circuit) at 1 meter.

Recommended distances
The short-term and long-term sound pressure levels (SPL) listed take into consideration:
a) a room volume of 100 m^3 (3'530 ft^3)
b) an average room reverberation time (RT60) of 0.3 sec.

If the room reverberation time is longer, it will mainly affect the long-term sound pressure levels that will be higher than the ones shown.

At extremely long distances the sound pressure level may become too low for the application.

Distances not recommended
When too close to the monitor, the drivers - tweeter or midrange/tweeter - are not summing together properly at the crossover point, which affects the perceived frequency response balance.

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