



Designing reliable audio products involves the exhaustive and thorough evaluation of every component part used in their construction. Every material type, adhesive, and finish coating must be chosen carefully.

In order to insure the highest degree of reliability of our products when exposed to the most extreme environmental conditions, Wisdom Audio has submitted all key components to severe environmental testing. As many of the transducers are new to a large part of the audio market, the question of reliability is raised from time to time, especially as it relates to marine applications.

The components were exposed to the following conditions in a variety of test chambers by Environmental Associates of Chatsworth, California.

1. Exposure to 85 degrees Celsius at 85% relative humidity for a period of ten days.
2. Temperature cycling from minus 40 degrees Celsius to plus 105 degrees Celsius with a two hour dwell time at each extreme for a period of five days.
3. Salt fog exposure at 95 degrees F with a 5% mist of salt solution for 48 hours.

The test results were very interesting and useful, allowing us to make minor modifications to what otherwise endured these extremes beyond even our own expectations.