
Subject: t/s testing on sinks

Posted by [Leland Crooks](#) on Sun, 30 Oct 2005 22:18:06 GMT

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With the A's. With the C's. The C's only go to 10v as when I went to 30v I smoked my resistor. (Doh!) I think it's good on either speaker.

Subject: Re: t/s testing on sinks

Posted by [Wayne Parham](#) on Mon, 31 Oct 2005 00:51:53 GMT

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Good job, very interesting. I think maybe the 1.0v measurements on the HL10A may have been below the sampling floor of the meter, but the higher voltage readings look reasonable. Seems like the situation is reversed on the HL10C, where the low voltage readings look more reliable than the high voltage readings. The current may have increased enough to heat the test resistor and make an impact. I suspect that was probably the case. But all in all, I think you've verified that the cooling plug is not shifting electro-mechanical parameters, so you can expect it to work well for you.

Subject: Re: t/s testing on sinks

Posted by [Leland Crooks](#) on Mon, 31 Oct 2005 01:12:25 GMT

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Talk about heating the resistor, it smoked pretty good at 30v on the the c. I'm testing again. I found another resistor laying around and also out of curiosity pulled a Beta 10 out of the box. It's the same size outlet as the c's. I'm hooking up as I write. Will post it up when done. Leland.

Subject: Re: t/s testing on sinks

Posted by [j.luis cruz](#) . on Mon, 31 Oct 2005 01:33:15 GMT

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Hy.Mr Crooks .I saw the Wayne measurement of your T24 and according to these numbers Wayne reach 138db with a box near 4 times your T24 with a box loaded with(2) lab12 subs near (3) times your H10 driver and the Bill's T24 reach 135db .Do you think Mr Crooks that a Twin T24 box could mate the 138 db reached by the world's best subwoofer know as the 12 pi. thanks

Subject: No.

Posted by [Leland Crooks](#) on Mon, 31 Oct 2005 02:31:01 GMT

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I heard both. At the bottom where it counts the 12pi is an animal. But it's also very big. If you've got roadies to move them fine. I've only got me and the t24 does all I want. That 135 was really out of the passband of a subwoofer.

Subject: Beta 10

Posted by [Leland Crooks](#) on Mon, 31 Oct 2005 02:45:58 GMT

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After doing this again and looking at the meter more closely I think the inconsistencies at the lower levels is me. It's an autoranger and I think I was reading it wrong. Consistently wrong however, so the results don't change. Here's testing for a beta 10. Give me your opinion.

Subject: Re: Beta 10

Posted by [Leland Crooks](#) on Mon, 31 Oct 2005 03:51:03 GMT

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After looking at this I think it needs more porting for the beta. The cone isn't nearly as stiff as the h1's.

Subject: Re: Beta 10

Posted by [Wayne Parham](#) on Mon, 31 Oct 2005 05:13:36 GMT

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I agree. Good work, by the way.

Subject: Re: Beta 10

Posted by [Leland Crooks](#) on Mon, 31 Oct 2005 12:11:12 GMT

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Thanks. This is fun. I haven't done any of this kind of stuff in years. The sink I tested was made for a HL. It's quite a bit longer than the magnet structure in a beta. I just stuck it in, and made sure it didn't hit the cone. I'm going to cut it off, expand the ports slightly and try again. I'd love to be able to put 500-600 w through a beta. Bill says I'll be limited by excursion and he's probably right. But I'm also going to roll off pretty high 120-150, which will help in that respect. I'll probably test to destruction just for fun. Not like it's \$140 hl. Leland

Subject: Re: Beta 10

Posted by [Wayne Parham](#) on Mon, 31 Oct 2005 13:31:01 GMT

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The Beta 10 is definitely excursion limited in bass applications. As a midrange or a full range speaker it makes sense, but it definitely isn't intended for use as a subwoofer. If it were being used as a midrange, then increasing power handling might do some good but as a subwoofer, it suffers mechanical interference long before it reaches thermal limits.
